

APPENDIX A: DNA SEQUENCES

>RXA00007-upstream

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>RXA00007

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>RXA00023

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>RXA00072
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>RXA00075-downstream

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>RXA00105-upstream

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>RXA00105

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>RXA00156
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>RXA00166-upstream
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>RXA00198
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>RXA00198-downstream
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>RXA00216-upstream
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>RXA00216
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>RXA00216-downstream
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>RXA00219
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>RXA00241
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>RXA00254
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>RXA00254-downstream
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>RXA00262-upstream

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>RXA00262

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>RXA00266-upstream

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>RXA00266

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>RXA00266-downstream

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>RXA00278

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>RXA00278-downstream
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>RXA00295
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>RXA00306
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>RXA00324
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>RXA00335

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>RXA00383-downstream
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>RXA00391-upstream
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>RXA00391
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>RXA00391-downstream
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>RXA00393-upstream
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>RXA00393
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>RXA00393-downstream

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>RXA00402

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>RXA00402-downstream

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>RXA00403-upstream

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>RXA00403

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>RXA00405-upstream

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>RXA00405

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>RXA00420

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>RXA00420-downstream
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>RXA00426-upstream
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>RXA00426
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>RXA00435
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>RXA00435-downstream
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>RXA00437
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>RXA00437-downstream
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>RXA00438-upstream
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>RXA00438
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>RXA00439

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>RXA00439-downstream

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>RXA00440-upstream

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>RXA00440

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>RXA00441

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>RXA00441-downstream

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>RXA00442-upstream

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>RXA00442

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>RXA00446

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>RXA00446-downstream

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>RXA00448

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>RXA00448-downstream

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>RXA00450-upstream

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>RXA00450

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>RXA00452-upstream

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>RXA00452

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>RXA00461-upstream

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>RXA00461

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>RXA00461-downstream

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>RXA00465-upstream

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>RXA00465

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>RXA00465-downstream

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>RXA00487-upstream

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>RXA00487

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>RXA00488

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>RXA00488-downstream

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>RXA00489-upstream

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>RXA00489

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>RXA00492-upstream

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>RXA00618-upstream

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>RXA00618

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>RXA00619-upstream

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>RXA00619

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>RXA00620

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>RXA00626
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>RXA00688
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>RXA01024-upstream

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>RXA01101-downstream
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>RXA01104-upstream
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>RXA01104
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>RXA01104-downstream
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>RXA01105-upstream
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>RXA01105
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>RXA01105-downstream

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>RXA01106-upstream

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>RXA01106

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>RXA01132-upstream

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>RXA01132

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>RXA01145

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>RXA01162-upstream

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>RXA01162

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>RXA01208-upstream

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>RXA01208

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>RXA01208-downstream

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>RXA01209-upstream

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>RXA01209

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>RXA01215-upstream

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>RXA01215

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>RXA01239-upstream

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>RXA01239

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>RXA01239-downstream
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>RXA01253
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>RXA01321-upstream

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>RXA01321

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>RXA01352-upstream

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>RXA01352

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>RXA01360-upstream

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>RXA01360

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>RXA01361

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>RXA01371-upstream

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>RXA01371

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>RXA01528

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>RXA01690

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>RXA01746-upstream

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>RXA01746

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>RXA01894-upstream

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>RXA01894

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>RXA01940

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>RXA02024
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>RXA02027-upstream

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>RXA02027

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>RXA02031-upstream

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>RXA02031

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>RXA02031-downstream

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>RXA02072-upstream

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>RXA02072

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>RXA02085-upstream
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>RXA02085
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>RXA02085-downstream
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>RXA02086-upstream
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>RXA02086
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>RXA02093-upstream
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>RXA02093
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>RXA02106-upstream
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>RXA02106
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>RXA02106-downstream
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>RXA02111-upstream

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>RXA02111

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>RXA02111-downstream

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>RXA02112-upstream

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>RXA02112

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>RXA02112-downstream

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>RXA02134-upstream

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>RXA02134

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>RXA02135-upstream
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>RXA02135
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>RXA02136-upstream
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>RXA02136
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>RXA02136-downstream
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>RXA02139-upstream
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>RXA02139
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>RXA02153-upstream
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>RXA02153
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>RXA02161-upstream

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>RXA02161

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>RXA02162

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>RXA02176-upstream

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>RXA02176

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>RXA02195-upstream
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>RXA02198-upstream

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>RXA02198

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>RXA02262-upstream
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>RXA02263
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>RXA02272
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>RXA02299

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>RXA02311-upstream

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>RXA02311

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>RXA02318
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>RXA02319
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>RXA02345
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>RXA02375
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>RXA02754

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>RXA02758-upstream

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>RXA02758

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>RXA02768-upstream

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>RXA02768

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>RXA02771

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>RXA02772

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>RXA02802
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>RXA02843 - downstream

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>RXA02857-upstream

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>RXA02857

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>RXA02879

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>RXA02903

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>RXA02906-upstream

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>RXA02906

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>RXN00023

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>RXN00023-downstream
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>RXN00076
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>RXN00198
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>RXN00262-upstream
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>RXN00262
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>RXN00351

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>RXN00355-upstream

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>RXN00355

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>RXN00365-upstream

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>RXN00365

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>RXN00367

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>RXN00371
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>RXN00371-downstream
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>RXN00383-upstream
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>RXN00383
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>RXN00402
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>RXN00403-upstream

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>RXN00403

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>RXN00420

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>RXN00435-upstream
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>RXN00435
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>RXN00437-upstream
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>RXN00437
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>RXN00439-upstream
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>RXN00439
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>RXN00441
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>RXN00446
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>RXN00446-downstream
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>RXN00448-upstream
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>RXN00448

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>RXN00450
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>RXN00487-upstream
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>RXN00487
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>RXN00488-upstream
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>RXN00488
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>RXN00508-upstream
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>RXN00508
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>RXN00969-upstream

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>RXN01940-upstream

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>RXN02234

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>RXN02272

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>RXN02772
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>RXN02802-upstream
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>RXN02802
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>RXN02909
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>RXN02912
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>RXN02918
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>RXN02965-upstream
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>RXN02965
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>RXN02965-downstream
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>RXN02970-upstream
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>RXN02970
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>RXN03003-upstream

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>RXN03003

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>RXN03004

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>RXN03007

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>RXN03058

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>RXN03058-downstream
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>RXN03063-upstream
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>RXN03063
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>RXN03074
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>RXN03074-downstream
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>RXN03105-upstream
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>RXN03105
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>RXN03114

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>RXN03137-upstream

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>RXN03137

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>RXN03137-downstream

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>RXN03171-upstream

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>RXN03171

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>RXN03176

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>RXS00116 - upstream

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>RXS00116

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>RXS00116 - downstream
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>RXS00147 - upstream
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>RXS00147

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>RXS00147 - downstream
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>RXS00349

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>RXS00389 - upstream
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>RXS00389
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>RXS00391

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>RXS00419
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>RXS00838 - downstream

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>RXS00870

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>RXS00905 - upstream

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>RXS00905

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>RXS01105 - upstream
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>RXS01130 - upstream
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>RXS01130
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>RXS02315 - downstream
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>RXS02319 - upstream
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>RXS02319
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>RXS02319 - downstream
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>RXS02550 - upstream

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>RXS02550

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>RXS02550 - downstream

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>RXS02556 - upstream

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>RXS02556

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>RXS02556 - downstream

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>RXS02560 - upstream

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>RXS02560

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>RXS02560 - downstream
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>RXS02565
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>RXS02565 - downstream
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RXS02908 - downstream
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>RXS02937 - upstream

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>RXS02937

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>RXS02970 - upstream

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>RXS02970

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>RXS02970 - downstream

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>RXS03003 - upstream

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>RXS03003

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>RXS03026 - upstream

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>RXS03026

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>RXS03026 - downstream

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>RXS03074 - upstream

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>RXS03074

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>RXS03074 - downstream

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>RXS03112 - upstream

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>RXS03112

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>RXS03158 - upstream

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>RXS03158

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>RXS03158 - downstream
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>RXS03159 - upstream
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>RXS03159
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>RXS03159 - downstream
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>RXS03183
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>RXS03183 - downstream
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>RXS03205
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>RXS03205 - downstream:
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>RXS03223

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>RXS03223 - downstream
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>RXC00128 - upstream
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>RXC00128
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>RXC00128 - downstream
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>RXC00152 - upstream

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>RXC00152

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>RXC00152 - downstream

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>RXC00164 - upstream

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>RXC00164

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>RXC00164 - downstream
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>RXC00416

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>RXC00540 - upstream
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>RXC00540

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>RXC00540 - downstream
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>RXC00552 - upstream

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>RXC00552

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>RXC00560 - upstream
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>RXC00560
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>RXC00560 - downstream
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>RXC00657
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>RXC00657 - downstream
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>RXC00733 - upstream
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>RXC00733
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>RXC00733 - downstream
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>RXC00861
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>RXC00866 - upstream
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>RXC00866
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>RXC00874 - upstream
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>RXC00874
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>RXC00930 - upstream
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>RXC00930
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>RXC00930 - downstream
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>RXC00988 - upstream
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>RXC00988
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>RXC01021 - upstream
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>RXC01021
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>RXC01088 - upstream

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>RXC01088

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>RXC01096 - upstream

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>RXC01946 - downstream
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>RXC02080 - upstream
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>RXC02080
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>RXC02080 - downstream
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>RXC02095 - upstream
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>RXC02095
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>RXC02207 - upstream
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>RXC02207
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>RXC02238
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>RXC02295 - upstream

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>RXC02295

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>RXC02380 - upstream

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>RXC02380

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>RXC02390 - upstream

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>RXC02665 - upstream
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>RXC02665
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>RXC02789 - upstream
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>RXC02921 - upstream

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>RXC02921

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>RXC03185 - downstream

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APPENDIX B: AMINO ACID SEQUENCES

> RXA00007 (1-1806, translated) 602 residues
 MKPQGLYNPA HEHDACGVAF IADHGRPSR SIVDRALEAL RNIDHRGAAG AEKNTGDGAG
 ILMQIPDGFY REVSGIELPE AGEYATGIAF LPRGRMAMMD AQKEIERIAK QEGADVLGWR
 MVPFDSRDLG SMAEEAMPSP AQIFLTVPGK SGEDLDRVMF FIRKRCEREL GTTNGRDTVY
 FPSLSSRTII YKGMTTLTQL EGFFEDLGDA RLESAIAIVH SRFSTNTFPS WPLAHPYRFV
 AHNGEINTVR GNENWMRARE ALIKNDKLG N LSSVLPICTP EGSDTARFDE ALELLHLGGY
 SLPHAVAMMI PQAWEHNKTL SPELRDFEY HSCLMEPWDG PAALAFDGR FVGAVLDRNG
 LRPGRITITD SGLVVMASES GVLDLREESV VKRTRVQPGR MFLVDTAAGR IVEDEEIKQK
 LSEAQPYGEW IRDNFVHLDR LPQTRYNYMA HSRVLRQRV FGITEEDVDL LLLPMARQGA
 EAIGSMGSDT PIAALSQRPR MLYDFFAQR A QVTNPPLDS IREKPVTSMF TLLGAQSDVL
 NPGPDAAARRI RLESPIIDNH ELATLINANA HGEWDSFGAA VISGLYPVAH HGAGMKAAIA
 RV

> RXA00023 (1-453, translated) 151 residues
 HFPLRPAEVV LRLDDSATPR ETARALLAAR RAGVTPRVLQ TPGVSEQVRE VLSAAGVSAE
 TVDDSVFISN VLRGEYDENS SVRVRYLGKV SDTVRERLSV RPEVVLLDDA VTASGRVELR
 YWLKEQAISM TLHRFGNPVA AFHELAEELK R

> RXA00044 (1-936, translated) 312 residues
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 KLALTTIIIEH TAGRVPVTAG VIETTTARVI ELVEDALEAG AEGLVATAPF YTRTHDVEIE
 EHFRKIHAAA PELPLFAYNI PVSVHSNLP VMLLTAKDG VLAGTKDSSG NDGAIRSLIE
 ARDDAGLTEQ FKILTGETT VDFAYLAGAD GVPGLGNVD PAAYAALAKL CLDGKWAEAA
 ALQKRINHLE HIVFVGDTSH MSGSSAGLGG FKTAHLGI IESNAMAVPH QSLSDDEETAR
 IHAIVDEFLY TA

> RXA00064 (1-1278, translated) 426 residues
 MSSVSLQDFD AERIGLFHED IKRKFDLKS KNLKLDLTRG KPSSEQLDFA DELLALPGKG
 DFKAADGTDV RNYGGLDGIV DIRQIWADLL GVPVEQVLG DASSLNIMFD VISWSYIFGN
 NDSVQPWSKE ETVKWICPVP GYDRHFSITE RFGFEMISVP MNEDGPDMDA VEELVKNPQV
 KGMWVVPVFS NPTGFTVTE VAKRLSAMET AAPDFRVWD NAYAVHTLTD EFPEVIDIVG
 LGEAAGNPNR FWAFTSTSKI TLAGAGVSFF LTSANRKY TGHAGIRGIG PNKVNQLAHA
 RYFGDAEGVR AVMRKHAASL APKFNKVEI LDSRLAEGV AQWTVPAGGY FISLDVVPGT
 ASRVAELAKE AGIALTGAGS SYPLRQDPEN KNLRLAPSLP PVELEVAMD GVATCVLLAA
 AEHYAN

> RXA00072 (1-441, translated) 147 residues
 MSFQLVNALK NTGSVKDPEI SPEGPRTTTP LSPEVAKHNE ELVEKHAAAL YDASAQEILE
 WTAEHAPGAI AVTLSMENTV LAELAARHLP EADFLFLDTG YHFKETLEVA RQVDERYSQK
 LVTALPILKR TEQDSIYGLN LYRSNPA

> RXA00075 (1-663, translated) 221 residues
 MTTPLRVAVI GAGPAGIYAS DLLIRNEERE VFVDLFEQMP APFGLIRYGV APDHPRIKGI
 VKSLHNVLDK PRLRLGNIE IGKDITVEEL RDYYDAVVS TGAVADRDLN IPGIEAEGSF
 GAGEFVGFDY GNPRFERSWD LSAQSVAVIG VGNVGLDVAR ILAKTGDELK VTEISDNVYD
 SLKENKXXEV HVFGRRWPST GQVHPTGTXR TXPLPHHQRG C

> RXA00105 (1-675, translated) 225 residues
 MTVPTPYEDL LRKIAEEGSH KDDRTGTGTT SLFGQQIRFD LNEGFPLLTT KKVHFHHSVVG
 ELLWFLQGDS NVKWLQDNNI RIWNEWAED GELGPVYGVQ WRSWPTPDGR HIDQISGALE
 TLRNNPDSRR NIVSAWNVSE LENMALPPCH LLFQLYVADG KLSCQLYQRS ADMFLGVFPN
 IASYALLTHM FAQQAGLEV G EFIWTGGDCH IYDNHKEQVA EQLSR

> RXA00106 (1-456, translated) 152 residues
 MIGAIWAQGR DGIIGDGTDM PWHIPEDLKH FKKTTMGQPV IMGRRTWESL PFKPLPGREN
 FILSSREPGD WSAGGTVVTE IPKSGWIMGG GEVYKATVGS ADVLEITLID ATFDVSTPVY
 APEIPANFNL DDESEWFTSG EYRYKFQRYI KV

> RXA00115 (1-1047, translated) 349 residues

MLDNSFYTAE VQGPYETASI GRLELEEGGV IEDCWLAYAT AGTLNEDKSN AILIPTWYSG
THQTWFQQYI GTDHALDPSK YFIISINQIG NGLSVSPANT ADDSISMSKF PNVIRIGDDVV
AQDRLLRQEF GITELFAVVG GSMGAQQTye WIVRFPDQVH RAAPPIAGTAK NTPHDFIFTQ
TLNETVEADP GFNGGEYSSH EEVADGLRRQ SHLWAAMGFS TEFWKQEAWR RLGLSKESV
LADFLDPLFM SMDPNTLLNN AWKQWQHDVS RHTGGDLAAA LGRVKAKTFV MPISEDMMFFP
VRDCAAEQAL IPGSELRVIE DIAGHLGLFN VSENYIPQID KNLKELFES

> RXA00116 (1-507, translated) 169 residues
MTQRAVEAGA INLGQGFPE DGPRRMLEIA SEQILGGNNQ YSAGRGDASL RAAVARDHLE
RFDLEYNPDS EVLITVGATE AITATVLGLV EPGDEVIVLE PYYDAYAAAI ALAGATRVAV
PLQEVENSWD VDVKLHAAV TTKTRMIIVN SPHNPTGSVF SKKALKQLA

> RXA00131 (1-609, translated) 203 residues
MIVSIEGIDG AGKNTLVSAI TQVIDAKVLA FPRYETSIHA QLAAEALHGR MGDLTDSAYA
MATLFALDRH FAIDDLNAPG VVLLDRYVAS NAAAYTAARLL DDDAPRWVAD LEFGRLGLPR
PTLQVLLDTP AEVAQDRARR REALDSARAR DRYESDSALQ QRTAEHYRRL AADNWESPWI
VVAPDEDPGH VAQRIVEFLG TIN

> RXA00132 (1-105, translated) 35 residues
HVEALGGQLT ELTKEQAIEI GVDVAGPFPK EHYRY

> RXA00145 (1-936, translated) 312 residues
MKHLLSISDL SKDEIVGLLD EADRFKEVLE GREVKKLPTL RGRITFTLFY ENSTRTRSSE
ETAGKWSAD VINISASSSS VKKGESLKDT GLTLSAIGAD AIIMRHPASG AAQQLAQFVA
PGNGGPSVIN AGDGSQHPT QALLDALTR QRTGRIEGLK VVIVGDCLHS RVVRSNVDLL
STLGAEEVVLV APPTLLPIGV ENWPVRFSDY MDAEIAADV VMMLRVQQR MQGGFFPSHR
EYATLYGMSK EREARLKDSA IIMHPGPMLR GMEINFQVAD APRTAVLQQV SNGVHMRMAI
LFALVAGSDA TI

> RXA00146 (1-1341, translated) 447 residues
VVDSNTQYPE TGALAPAPAD SLLISNVLVY GEGEPTNVFV KDGVIAAIGG THEADRTIDG
NGGVLLPGFV DMHVHLREP G REDTETIATG SAAAAGGGFT AVFTMANTTP VMDQPVIAES
VWFKGQNI GL CDVHPVGSIT KGLEGKELTE FGMMARSEAK VRMFSDDGKC VDDPQVMRRA
LEYAKGMDVL IAQHAEDHRL TEGASAHEGE NAARLGLRGW PRVAEESIVV RDAIMARDYG
NRVHICHAET EGTVELLRWA KSQGIPITAE VTPHHLTLTD ERLETYDAVN KVNPPPLRESR
DAEALKKALL DGTIDVVATD HAPHGSEDKC CEFENAKPGM LGLETSLSII VDTFVATGLA
DWRFRVARVMS ERPAEITRLP GQGRPIAEGE PANLAIVDPG KTWTASGADF ASKAENTPFE
GQEFSAKVTH TVLRGKVTC A DGVAQNA

> RXA00147 (1-1179, translated) 393 residues
VSKDTTTYQG VTEIGSVPAY LVLADGRFTF GFGFGAIGTT LGEAVFTTAM TGYQETMTDP
SYHRQIVVAT APQIGNTGNW DEDNESRDGK IWVAGLVIRD LAARVSNWRA TTSLQQEMAG
QGIVGIGGID TRALVRHLRN EGSIAAGIFS GADAQRPVEE LVEIVKNQPA MTGANLSVEV
SADETYVIEA EGEERHTVVA YDLGIKQNTF RRFSAARGVRT VIVPAETPFE DIKQYNPSGV
FISNGPGDPA AADVMVDIVR EVLEADIPFF GICFGNQILG RAFGMETYKL KFGHRGINVP
VKNHITGKID ITAQNHGFAL KGEAGQEFET DFGTAIVTHT CLNDGVVEGI ALKSGRAYSV
QYHPEAAAGP NDASPLFDQF VELMDADAQK KGA

> RXA00156 (1-1110, translated) 370 residues
MNERTSDAFD ALLVLSFGGP EGHEEVRPFL ENVTHGRGIP PERLDEVAVH YHHFGGISPI
NALNREIIAN VEKELASRDH KLPVYFGNRN WKPFNEAAE QMADDGVKNA LVLATSAWGG
YSGCRQYQED IQGMIKHLES QGQSITFTKL RQFYDHPRFV STMAQLVQDS YAKLPDELDR
EARLVFTAH S IPLTADNAAG TPEDGSLYST QVKEASALIA EAVGVSDFDV VWQSRSGSPH
TPWLEPDIVD HAVELNEKGQ KALVVCPVGF ISDHMEVIWD LDSELMEAE KRNMVVERVA
TVGPTDEFAA LVVDLIEAE LKRVIERLKG LPARGSSVNG APCGDGCCGT AKHKTARVNP
NARSAPPAAN

> RXA00166 (1-660, translated) 220 residues
VELARGFGRV LDVGAGTGKL TSELTADQVL ALDPSMDMLR VFRSALPAVP CWQATAEHTG
IRDNAVDLIT CAQTWHWVDV TAASAEFDRV IAPEGAVLLV WNNLDTSIAW VHRLSRIMHA
GDVLKPGFTP ETAAPWIIDR EIRTTWNQHL TPEEIIQLAH TRSYWLNASE KIKERVDQNL

QWYLYEHLGF SPDNPVELPY RCDAFLLSRS GTLAGRSSNL

> RXA00198 (1-282, translated) 94 residues
LVLVALGFTG AEQGGLAHEL GVGFD DRGRI LRDSEYRSPT NSRVYIAGDN GRGQSLIVWA
IAEGRACAAA IDADLMGETA LPVAVAPQDV PLAV

> RXA00216 (1-990, translated) 330 residues
LGAYGLGELP GKSAEEAADI IQGETGDLH IPQLPARGLG ADLIGRTVGL LDMINVDRGA
RSWVMSTRPS RLTHLTGDFL DMDLDACEET WGTGVDKLKI QVAGPWTLGA RIELANGHRV
LSDRGAMRDL TQALIAGIDA HARKVAGRFR AEVQVQIDEP ELKSLIDGSL PGTSTFDIIP
AVNVADASER LQQVFSSIEG PTYLNLTGQI PTWDVARGAG ADTVQISMDQ VRGNEHLDGF
GETITSGIRL GLGITTGKDV VDELLERPRQ KAVEVARFFD RLGVGGRNYLV DAVDIHPGED
LVQGTITEAA QAYRMARVMS EMLSKDSCDL

> RXA00219 (1-942, translated) 314 residues
VARKKNTSDQ SRSQAANTPI AGTYEGEYSV IELEADSYTT DGWLISINGV PSSHIVLGQP
QALEFEYMRW IATGARAFID AHQDASKLRI THLGGGACTM ARYFADVYPQ SRNTVVELDA
ELARLSREWF DIPRAPRVKI RVDDARMVAE SFTPASRDVI IRDVFAGAIT PQNFTTVEFF
EHCHRGLAPG GLYVANCGDH SDLRGAKSEL AGMMEVFEHV AVIADPPMLK GRRYGNIIIM
GSDTEFFSSN STEASAITRE LLGGGVPAQY KDES WVRKFA SGAQARHDGV STLQMPSDTP
QHPAETPEHS NTQP

> RXA00223 (1-1089, translated) 363 residues
MREVAAAAMW ENAQALNPAS QYSGRKARS VADSAREEIA SLLGCEPIEV VFTASGTEAD
NLAVQGLFHA SPLNRIISTP IEHPGILETV KALELGGAEA ELMPIGPDGR VSSFEALDKP
AAVATMMWAN NETGAIQPVs EFIAAAQASG TPTHIDAVQV VGHLVPNFDE LGATTLAASA
HKFGGPRGVG LLLVRRSPAP SAVLHGGGQE RGIRPGTLDV AGAAATAAAL REAVAELDGE
ATRLRGLKKM LLDAILHTIP NVLVHTTEPS LPGHLHLSFP GAEGDSLIML LDSLRIEAST
GSACSNGVNR ASHVLLAMGI SETDARGAIR FTLGRITTEE SIKAVIAVIE DVVTRARTAG
MAF

> RXA00229 (1-780, translated) 260 residues
EAKGLAQGRA TVYRRIDTLG SRASGQDLNT LLDAALYLGF SGLNITHPYK QAVLPLLGEV
SEQATQLGAV NTVVM DATGH TTGHNTDVSG FGRGMEEGLP NAKLDSVVQV GAGGVENAVA
YALVTHGVQK LQVADLDTSR AQALADVINN AVGREAVGV DARGIEDVIA AADGVVNATP
MGMPAHPGTA FDVSLCTKH WVG DVVYMPI ETELLKAARA LGCETLDGTR MAIHQAVDAF
RLFTGLEPDV SRMRETFLSL

> RXA00241 (1-1503, translated) 501 residues
VNTQSDSAGS QGAAATSRTV SIRTIALII GSTVGAGIFS IPQNIGSVAG PGAMLIGWLI
AGVGMLSVAF VFHVLARRKP HLD SGVYAY RVGLGDYVGF SSAWGYWLGS VIAQVGYATL
FFSTLGHYVP LFSQDHPFVS ALAVSALTWL VFGVVS RGIS QAAFLT TVTT VAKILPLLCF
IILVAFLGFS WEKFTVDLWA RDGGVGSIFD QVRGIMVYTV WVFIGIEGAS VYSRQARSRS
DVS RATVIGF VAVLLLLVSI SSLSFGVLTQ QELAAPDNS MASVLEAVVG PWGAALISLG
LCLSVLGAYV SWQMLCAEPL ALMAMDGLIP SKIGAINSRG AAWMAQLIST IVIQIFIIF
FLNETTYVSM VQLATNLVLYV PYLFSAFYLV MLATRGKGIT HPHAGTRFDD SGPEISRREN
RKHLIVGLVA TVYSVWLFYA AEPQFVLFGA MAMLPGLIPY VWTRIYRGEQ VFNRF EIGVV
VVLVVAASAG VIGLVNGSLS L

> RXA00254 (1-594, translated) 198 residues
QPLKLGAHAV LHSTTKYIGG HSDVVGGLVV TNDQEMDEEL LFMQGGIGPI PSVFDAYLTA
RGLKTLAVRM DRHCDNAEKI AEFLDSRPEV STVLYPGLKN HPGHEVAAKQ MKRFGGMISV
RFAGGEEAAK KFCTSTK LIC LAESLGGVES LLEHPATMTH QSAAGSQLEV PRDLVRISIG
IEDIEDLLAD VEQALNNL

> RXA00262 (1-819, translated) 273 residues
VAGHLITTP I EHDSVLETA YLERFHDFEI TYLSPDHTGL ISPEGLRKAV RPD TTLISIG
YANNEVG TIQ PIAELAAVSS TPFHTDAVQA AHLTFDLGVD ALSLSGHKFG APKGIGVLWS
KLPLEPVIHG GGQEKRRSG TENVAGAI AF ATALELARE SYPDLGEFIE EVLTIPGAHL
TGHPMRIDG HASFLFDSIG SETVLELER QGIVCSPGSA CGSGEVSHVL LALGLEEDQA
RTAVRCTFST THSREDALVA ASALKSAVAL IRG

> RXA00266 (1-408, translated) 136 residues
 MTERTLILIK PDGVTNGHVG EIIARIERKG LKLAALDLRV ADRETAEKHY EEHADKPFFG
 ELVEFITSAP LIAGIVEGER AIDAWRQLAG GTDPVAKATP GTIRGDFALT VGENVVHGSD
 SPESAEREIS IWFPNL

> RXA00278 (1-1032, translated) 344 residues
 MHAFFRRPPL TTRVGAALLA ATLLASCTPT PVEPAETLTA LDPDAGPPLP PDSSIEAPGE
 KEPIVEVIEN WPGSLRPDDL TPEERVPGIV NRGRIIVGVD QSQNLLSFRD PVTGELRGFE
 VELAREISRD IFGDPNKVDF RFVGSDDLRLR SLDQGDVDIV IRSVTITDER AKLVEFSTPY
 LRTQTRMLTM ESSGITSIAD LPGHTICVTD GSTSLQRART IAPASILKT RNWSDCLMAL
 QQHQAQVILG DDVILSGIAA QDPYTEILDT SLDSHSYGVA AASTTAETDS SGLIRQVNYT
 IERIRTDMMW WTMFDDWFGP YLWSYGPPQL QYMPEEEGTE NDEG

> RXA00295 (1-1002, translated) 334 residues
 MTIPGTILDY ARTQVLEQGI GLNQQQLMEV LTLPEEQIPD LMELAHQVRL KWCGEIEVE
 GIISLKTGGC PEDCHFCSSQ GLFESPVRSV WLDIPNLVEA AKQTAKTGAT EFCIVAAVKG
 PDERLMTQLE EAVLAIHSEV EIEVAASIGT LNKEQVDRLA AAGVHRYNNH LETARSYFPE
 VVTHTTWEER RETRLRLVAEA GMEVCSGGIL GMGETLEQRA EFAVQLAELD PHEVPMNFDL
 PRPGTPFADR ELMDSRDALR SIGAFRLAMP HTMLRFAGGR ELTLGDKGSE QALLGGINAM
 IVGNLYLTLG RPMEDDLDM DRLQLPIKVL NKVI

> RXA00306 (1-933, translated) 311 residues
 DSGIPTQLVE GSWFEPVRGR TFDRIIANPP FVVGPPPEIGH VYRDSGMDLD GATALVVKEA
 CAHLNPGGTA HLLGAWVHSA DQSWQORVAE WLPDNGYVAV VIERDAVSPA QYVGTWLSDE
 SLDLRSPEAA ARTTAWLNHF EKAKVQGVGF GFIAIQRLEE DEADEKSDIL AESMTQYFED
 PLGPEIEEYF TRTAWLREQT RDSILSSRFK VRPGVAREQI SLADAEEGMG FSPVTLRLTR
 TDGPRWSDHV DEHVASIVAG LNPGLPFEE ILEMYAMAQG IEGESLHNGA IAALVDLIRH
 GLVLPADLLD S

> RXA00323 (1-1338, translated) 446 residues
 MNSEQEFVLS AIEERDIKIV RLWFTDILGH LKSVVAPAE LESALEEGIG FDGSAIEGYA
 RISEADTIAR PDPSTFQVLP LEAGISKLQA ARLFCDVTMP DGQPSFSDPR QVLRQVQLA
 ADEGLTCMIS PEIEFYLVQS LRTNGLPPVP TDNGGYFDQA TFNEAPNFRR NAMVALEELG
 IPVEFSHHET APGQOEIDLR HADALTMADN IMTFRYIMKQ VARDQGVGAS FMPKPFQEHA
 GSAMHTHMSL FEGDTNAFHD PDDSYMLSKT AKQFIAGILH HAPEFTAVTN QWVNSYKRIV
 YGNEAPTAAT WGVSNRSALV RVPTYRLNKE ESRRVEVRLP DTACNPYLAF SVMLGAGLKG
 IKEYELDEP AEDDISNLSF RERRAMGYND LPSSLDQALR QMEKSELVAD ILGEHVFEFF
 LRNKWREWDR YQEQUITPWEL RNNLDY

> RXA00324 (1-3135, translated) 1045 residues
 MSGPLRSEK VVGFRDPLP KVGSLSLKSE HAQADLEHLG WRNVESLDLL WGLSGAGDPD
 VALNLLIRLY QALEAIGEDA RNELDQEIQR DEKLRVRLFA LLGGSSAVGD HLVANPLQWK
 LLKLDAPSRE EMFQALLESV KAQPAVLEVE DFSDAHNIAR DDLSTPGFYT ASVTGPEAER
 VLKWTYRTLL TRIAAHDLA TYPTDMRRKG GDPVPFSTVT MQLSDLADAA LTAALAVAIA
 NPYGEKPVDS ALSVIAMGKC GAQELNYISD VDVVFVAEPA NSKSTRTAAE LIRIGSNSFF
 EVDAALRPEG KSGALVRS LD SHMAYYKRW A ETWEFQALLK ARPMTGDINL GQSYVDALSP
 LIWTASQRES FVTDVQAMRR RVLDNVPEDL RDRELKLGRG GLRDVEFAVQ LLQMVGHRID
 ETLRVRSTVN ALHVLVDQGY VGREDGHNLI ESYEFLRLL HRLQLERIKR THLLPKPDDR
 MNMRWLARAS GFTGSMEQSS AKAMERHLRK VRLQIQSLHS QLFYRPLLNS VVNLSADAIR
 LSPDAAKLQL AALGYLHPSR AYEHLTALAS GASRKAKIQA MLLPTLMEWL SQTAEPLDAGL
 LNYRKLSDAS YDRSWFLRML RDEGVVGQRL MRILGNSPYI SELIISTPDF MKQLGDAASG
 PKLLATAPTQ VVKAIKATVS RHESPDRAIQ AARSLRRQEL ARIASADLLN MLTVQEVQCS
 LSLVWDAVLD AALDAEIRAA LNDPQKPDQP LANISVIGMG RLGGAEELGY SDADVMFVCE
 PVAGVEEHEA VTWSIAICDS MRSRLAQPSG DPPLEVDLGL RPEGRSGAIV RTVDSYVKYY
 EKWGETWEIQ ALLRAAWVAG DRELGIKFLE SIDRFRYPVD GATQAQLREV RRIKARVDNE
 RLPRGADRNT HTKLGRGALT DIEWTVQLLT MMHAHEIPEL HNTSTLEVLE VLEKHQIINP
 VQVQTLREAW LTATAARNAL VLVRGKRDLQ LPTPGPHLAQ VAGASGWDPN EYQEYLENYL
 KVTRKSRQVV DEVFWGVDSM EQREF

> RXA00330 (1-1443, translated) 481 residues

VDYISTRDAS RTPARFSDIL LGGLAPDGGL YLPATYPQLD DAQLSKWREV LANEGYAALA
 AEVISLFVDD IPVEDIKAIT ARAYTYPKFN SEDIVPVTEL EDNIYLGHLS EGPTAAFKDM
 AMQLLGELFE YELRRRNETI NILGATSGDT GSSAEYAMRG REGIRVFMLT PAGRMTPFQQ
 AQMFGLDDPN IFNIALDGVF DDCQDVVKAV SADADEFKKN RIGAVNSINW ARLMAQVYYY
 VSSWIRTTTS NDQKVSFSVP TGNFGDICAG HIARQMGLPI DRLIVATNEN DVLDEFFRTG
 DYVRSSADT HETSSPSMDI SRASNFERFI FDLLGRDATR VNDLFGTQVR QGGFSLADDA
 NFEKAAAEYG FASGRSTHAD RVATIADVHS RLDVLIDPHT ADGVHVARQW RDEVNTPIIV
 LETALPVKFA DTIVEAIGEA PQTPERFAAI MDAPFKVSDL PNDDTAVKQY IVDAIANTSV
 K

> RXA00335 (1-1431, translated) 477 residues

VAFETPEEIV KFIKDENEVEF VDVRFDTLPG TEQHFSIPAA SFDADTIEEG LAFDGSSIRG
 FTTIDESDMN LLPDLGTATL DPFRKAKTLN VKFFVHDPFT REAFSRDPRN VARKAEQYLA
 STGIADTCNF GAEAEFYLF D SVRYSTEMNS GFYEVDTEEG WNNRGKETNL DGTPLNGAKN
 RVKGGYFPVA PYDQTVDVDR DMVRNLAASG FALERFHHEV GGGQQEINYR ENTMLHAADD
 IQTFKYIIKN TARLHGKAAT FMPKPLAGDN GSGMHAHQSL WKDGKPLFHD ESGYAGLSDI
 ARYYIGGILH HAGAVLAFTN ATLNYSYHRLV PGFEAPINLV YSQNRNSAAV RIPITGSNPK
 AKRIEFRAPD PSGNPYLGFA AMMMAGLDGI KNRIEPHAPV DKDLYELPPE EAASIPQAPT
 SLEASLKALQ EDTDFLTESD VFTEDLIEAY IQKYDNEIS PVRLRPTPQE FELYFDC

> RXA00347 (1-768, translated) 256 residues

MTLTIEEIAK TKKLLVVSDF DGTIAGFSKD AYNVPINQKS LKAVKDLSQQ ADTDVVILSG
 RHLEGLKTVL DLGQYDITMV GSHGSEDSSR PRTLTPEEVA RLAKIEADLE KIVDGI EGAF
 VEIKPFHRVL HFIRVSDKDK VQGILAQAAH VDSSGLKVTN GKSIIEYSIS STTKGTWLKE
 YVDRTEPTGV IFLGDDTTDE HGFKALEND RALTVKVGE DTAAKTRVDD VDNVGIFLEK
 LAYHRMQYAE SVRLGI

> RXA00351 (1-1446, translated) 482 residues

MDDSNSFVVV ANRLPVDMTV HPDGSYSISP SPGGLVTGLS PVLEQHRGCW VGWPGTVDVA
 PEPFRDTGV LLHPVVLTA DYEGFYEGFS NATLWPLFHD LIVTPVYNTD WWHAFREVNL
 KFAEAVSQVA AHGATVWVQD YQLLLVPGIL RQMRPDLKIG FFLHIPFPSP DLFRQLPWRE
 EIVRGMLGAD LVGFHLVQNA ENFLALTQQV AGTAGSHVQ PDLTQVSGEA LVREIGAHVE
 TADGRRVSVG AFPISIDVEM FGEASKSAVL DLLKTLDEPE TVFLGVDRDL YTKGILQRL
 AFEELLESQA LEADKAVLLQ VATPSRERID HYRVSRSQVE EAVGRINGRF GRMGYPVVHY
 LHRSLSKNDL QVLYTAADVM LVTPFKDGMN LVAKEFVANH RDGTGALVLS EFAGAATELT
 GAYLCNPFVD ESIKRQMVAA VHDLKHNPE AATRMKTNSE QVYTHDVNVW ANSFLDCLAQ
 SG

> RXA00352 (1-858, translated) 286 residues

MHLGKLDQDS ATTILEDYKN MTNIRVAIV YGNLGRSVEK LIAKQPDMDL VGIFSRATL
 DTKTPVFDVA DVDKHADDV VFLFCMGSAT DIPEQAPKFA QFACTVDTYD NHRDIPRHRQ
 VMNEAATAAG NVALVSTGWD PGMFSINRVY AAVALAEHQ HTFWGPGLSQ GHSDALRRIP
 GVQKAVQYTL PSEDALEKAR RGEAGDLTGK QTHKRQCFV ADAADHERIE NDIRTMPDYF
 VGYEVEVNFI DEATFDSEHT GMPHGGHVIT TGDGTGGFNHT VEYILK

> RXA00364 (1-1293, translated) 431 residues

LPRPEEHAHR ELDLGGEYKW RREGYHLEN PETIFKLQHA TRSGSYEIFK DYTRKVDDQS
 TRLTGTIRGLF EFSTDRKPIS VSEVEPVSEI VKRFSTGAMS YGSISAEAE VLAIAMNRLG
 GMSNSGEGGE DARRFDVEPN GDWKRSAIK VASGRFGVTS HYLNNCTDIQ IKMAQGAQPG
 EGGQLPPNKV YPWVAEVRIT TPGVGLISPP PHHDIYSIED LAQLIHDLKN ANPRARIHV
 LVAEQGVGT V AAGVSKAHAD VVLISGHG DG TGASPLTSLK HAGGPWELGL AETQQTLLN
 GLRDRIRVQC DGQLKTGRDV VIAALLGAEE FGFATAPLVV EGCIMMRVCH LDTCPVGIA
 QNPDLRSKFT GKAEHVVNFF TFIAQEVREY LAQLGFRSID EAVGQAQVLR KRSGIPADSR
 AAHLDSLPIF I

> RXA00365 (1-627, translated) 209 residues

MILSPSKTFE LEIVEKAFRE GWVQPVIPSM STGLSVAVVG SGPAGLAAAQ QLTRAGHSVT
 VFERDDRLLG LMRYGVPEYK MENRWIDRRI EQMEAEGTTF QVGTSPRAAE LALFDAILLA
 TGTPVARELS VPGHDLNGIH AAMDYLTAQN RINEGDGEVS PINAKGKKVV IIGGGDTGTD
 CFGTALRQGA ESVTQFDIRP RAFFQRAQS

> RXA00366 (1-357, translated) 119 residues
MADPQGFIFY SRREPAHRPV PLRLMDHSEV YEKAPAGQIE EQAARCMDCG VPFCHEGCPL
GNIPEWNDL VRQGRWKEAY DRLHATNNFP EFTGRLCPAP CEGACVLGIN DDSVTIKNV

> RXA00367 (1-843, translated) 281 residues
HSLEKALDNA FIDKASDTIT RAAAGVETSI VIDSSISNVN RSVGTMLGSA VSRVAGAQGL
PDGTITLNLQ GCAGNSFGAF IPRGITINLT GDANDFVGKG LSGGKIVIKP SAQAPKQLKN
NPNIIAGNVL GYGATSGELF IRGQVGERFC VRNSGATAVV EGIGNHGCEY MTGGRVLVLG
PVGENFGAGM SGGIAYLANS PDLNQKINGE LVDVVPLSAD DLTWADELIA RHRELTGSET
KLRAQDLVKI MPRDFQKVLN IIETAHAEGQ DPAIKIMEAV S

> RXA00371 (1-924, translated) 308 residues
MTIAHKPEMA ETTGIETNQV SETIGVESLT HGNLRPVSSF EGQHEGQTEE LLPGKVIFVG
AGPGNPDLT VRAREVLGNA VRAITDEQVL SGVRAFVATE IPVPEDKLQA AEDEYERICI
EAKENGARRK PPRPAPTAA EITEVSEATP AQIVELVQDA LSYGGDVIRL VTGNPLSSDA
TLAEISAVSE AGLEFQVVPV MSLPATVPAF AGIALGSTYT ETDVNGQNLD WDQLASAPQP
LVLQARVDDL SRIAQELKAR NMSLETPVSV TANGTTRLQR TYDTTLGLLH KLDDELSGPL
VVTLGKGV

> RXA00374 (1-732, translated) 244 residues
TISVEPPRNP AQMERAIKGI VEGRYQWVVL TSVNAVKAHV KKITEFGLDS RSFAGVRIAA
VGEKTAEEIR ALGITPELLP ARTRQNAQGL VDVFPPEYFEE LDPVGRVLLP RADIATDVLV
DGLTHLGWEV EDVVAYRTVR AAPPSADIRD MIKTGGFDDV AFTSSSTVKN LVGIAGKPHP
RTIVACIGPM TAATAEELGL RVDVMPEIAE VPELIDALAE HVADLRKAGE LPPPRKKRRR
RKAS

> RXA00376 (1-282, translated) 94 residues
MRFAIIGAGL AGLTAAYEIH KADPTAQIDV LEAGERIGGK LFTVPFASGP TDIGAEAFLA
ARSDAVEFFT ELGLADSLVS PSAAKSQYFA GGAL

> RXA00377 (1-1122, translated) 374 residues
VWLLFLNWDK WGKIERSAL TIPAARRTLN NAPIIDAANG KTPTRTPVWF MRQAGRSLPE
YKKVREGISM LDSCFMPELL AEITLQPVRR HDVDAAILFS DIVVPLRAAG VGVEIVAGRG
PVLDAVRSR GDVLNLPIL EGNVPEVEQGI GIILDELSDS QALIGFAGAP FTIASYLVEG
GPSKNHEKTK AMMHGDPETW HALMARLVPT IVNSLKSQID AGIDAVQLFD SWAGFLTERD
YTEFVLPYST EILEEVGKYQ LPRIHFGVGT GELLGAMSKA GSEVMGVDWR VPLDKAAERI
AAVSGPKVLQ GNLDPALFA GRAPLTKEIE RIKAEAQTAV DAGHATGHIF NLGHGVLPNT
VAEDITEAVS IIHS

> RXA00382 (1-1302, translated) 434 residues
MTSSNTARSA EWFKAQKLT PGGVNSPVRA FGSVGGQARF IEKAHGSTLI DVDGNEYVDL
VCSWGPMLMG HAHPAVVEAV QKAVVDGLSF GAPTIGLEVEL AQDIVKRTSV EEVRLVNSGT
EATMSAVRLA RGYTQRSKIL KFEGCYHGHV DALLASAGSG VATFALPDSP GITGAQTSOT
IVVPYNDIEA VRNAFAEYPG EIACIIAEAA GGNMGTVPAP DNFNDKLLAI AHADGALLIL
DEVMTGFRTS YRGWFGVDKV AADLVTFGKV VSGGLPAAAF GGKAEIMNML APQGPVYQAG
TLSGNPVAVA AGRASLKLAD ESLYTTINAN ADRLHGLISD ALTHEGVAHH IQRASNMLSI
RFAEGEGHNF SDMKAADIFR FAPFFHTLLD NGVYAPPSVF ETWVSSALT DDDFSKIEQA
LKPAARAAA AKAS

> RXA00383 (1-1014, translated) 338 residues
AGAQDTAFDW TPGQDISVGA LVRRQYGDEI VDTVSSLLG GVSSTADDL GVRASVPALA
AALDQLAEAG EPVTLAAVK AVEAQREAAK TTSETRPVFQ TFKGGYAEY EALAEQCGAD
IHLDSFVSAI TKDGEGFAIK GGEGTYDKV ILAVPAPTAA VLLRDLAPAA APHLRAIKLA
SSAVVGMRFD SSEGLPDNSG VLVAVNEPGI TAKAFTFSSK KWPHLEARGG ALVRASFGR
GDEASARMDE DLLVDAALDD LLTITGFDGR AAGLGEIFVQ RWFGGLPAYG VDHIATVSAA
RAEIAAVPGV EAIGAWAGGV GVPVIAADAQ AAVHRLLG

> RXA00391 (1-720, translated) 240 residues
LLRDSQRVGL AIDPSIALVM ATSGSTGTPK GAQLTPLNLV SSADATHQFL GGEGQWLLAM
PAHHIAGMQV LLRSIAGVE PLAIDLSTGF HIDAFAGAAA ELKNTGDRVY TSLTPMQLLK

AMDSLQGIEA LKLFVDVILVG GAALSKQARI SAEQLDINIV TTYGSSETSG GCVYDGKPIIP
GAKVRISDER IELGGPMIAQ GYRNAPEHPD FANEGWFTTS DSGELHDGIL TVTGRVDTRH

> RXA00393 (1-882, translated) 294 residues
MSHTEPQPNs VTLSDWIQGA RPRTWANAFa PVIAGSGVAA FHDGfVWWKA LLALVVAWAL
IIGVNYANDY SDGIRGTDED RTGPLRLTGS GLAEPKKVKA AAFISFGIAG VAGTALSLLS
AWWLILIGIL CVLGAWFYTG GKNPYGYRGL GEIAVFIFFG LVAVMGTQFT QTGSVSWAGL
AAAVGVGSMS AGVNLANNIR DIPTDSKTGK ITLAVRLGDA GARKLFLALI STPFIMSICL
AFVAWPALIA IIVFPLALKA AGPIRNNATG KDLIPSSAQQ GAPWRCGPCS RAWH

> RXA00402 (1-576, translated) 192 residues
VLPYFVTPDA AYHGLKYADL GAPAFGLKVR VGLLRDTGST LSAFNAAVAV QGIDTLsLRL
ERHNENAIKV AEFLNNHEKV EKVNFAGLKD SPWYATKEKL GLKYTGsvLT FEIKGGKDEA
WAFIDALKLH SNLANIGDVR SLVVHPATTT HSQSDEAGLA RAGVTQSTVR LSVGIETIDD
IIADLEGGFA AI

> RXA00403 (1-1110, translated) 370 residues
MPTLAPSGQL EIQAIGDVST EAGAIITNAE IAYHRWGEYR VDKEGRSNVv LIEHALTGDS
NAADWWADLL GPGKAINTDI YCVICTNVIG GCNGSTGPGS MHPDGNFWGN RFPATSIRDQ
VNAEKQFLDA LGITTVAAVL GGSMGGARTL EWAAMYpETV GAAAVLAVSA RASAWQIGIQ
SAQIKAIEND HHWHEGNYYE SGCNPATGLG AARRIAHLTY RGELEIDERF GTKAQKNENP
LGPYRKPDQR FAVESYLDYQ ADKLvQRfDA GSYVLLTDAL NRHDIGRDRG GLNKALeSIK
VPVLVAGVDT DILYPYHQQE HLSRNLGNLL AMAKIVSPVG HDAFLTESRQ MDRIVRNFFS
LISPDEDNPS

> RXA00405 (1-513, translated) 171 residues
MPKYDNSNAD QWGFETRsiH AGQSVDAQTS ARNLPIYQST AFVFDsAEHA KQRFALeDLG
PVYSRLTNPT VEALENRIAS LEGGVHAvAF SSGQAATTNA ILNLAgAGDH IVTSPRLYGG
TETLFLITLN RLGIDVSFE NPDDPESWQA AVQPNTKAFF GETFANPQAD V

> RXA00420 (1-540, translated) 180 residues
WTLNKLTLsA VGVAYYAMGA PAKNQVKNLt QFYQPLDLIG EWNRGYGSKG FLQYQFVVPT
EAVEPFKDII RDMQKSGHYS ALNVFKLFGP GNRAPLSYPM PGWNVCVDfP IRPGLGAFLD
DLDKRVMEFG GRLYLAKESR TSAENFHAMy PGMEGWLKTR NEIDPTGVFA SDMSRRLELS

> RXA00426 (1-522, translated) 174 residues
MNSSHGTSSS GASAGAHGAL PLEAQKLNGW GRTAPTtAEV LTTPDLdIIV DAVRQVAEQN
DSKPDYLKRG VIARGMGRSY GDPAQNAGGL VIDMQPLNKI HSIDPDSaIV DVDGGVTLdQ
LMKAALPYGL WVPVLPgTRQ VTIGGAIGPD IHGKNHHSAG SFGDHVVSME LLVA

> RXA00435 (1-615, translated) 205 residues
VDATTYAAYR PLRLDEWEAD IVMLDLGELG GPQISALIFR DTSMFPRlDR TVPLELPASS
LPHGLLGgVP NLVRHLGNLD ENAPSVVEAM GEMAKFHKGL FEHLVESLEG LHAVHIVGIS
GDAAGQDApF LDRVPRLTFT MEGVPADMVY RRLVDNRLIT TVSPADPLLE AMGVTEAGGS
ITIGLSPFST YYEVDQLTRV LASLA

> RXA00437 (1-360, translated) 120 residues
KNGVCTEAMG ALVTFEGIVR DHDGGARVTS LTYTAHPTAP QVLSAVADSI VEKHPRTRLW
TAHRTGALKI GDAAFLVVAa SAHRADAFaa CSDLADAVKA QVPIWKEQTR LDGSTDWVGL

> RXA00438 (1-435, translated) 145 residues
VKNLDIARYR RQIMLGEIGQ QKQQSLfDAK VSVIGAGGLG SPALLYLAGA GVGHIHIIDD
DLVDLSNLHR QVIHTTAGVG TPKAESAREA MLALNPSVKV TVSVRRLDWS NALSELADSD
VILDGSDNFD TRHLASWAAA KLGIP

> RXA00439 (1-195, translated) 65 residues
TDGVRIEASV KTRGVtGVEM EALTAVSTAA LTVYDMIKAV DKMAVIDGIR VLSKTGGKSG
DWSVQ

> RXA00440 (1-459, translated) 153 residues
VTALVIVAST RAAAGVYEDR SGPILVSWLR AKGFDTPAPV IVADANLPaf LDELEFPQVV

LISGGTGLTP DDITVDTLIP RLDKEIPGIA HAFWNYSMDA VPTAVLSRTV AGTIGGSFIM
ALPGSTGAAR DATAVLDPLI DHITGTLQGH HEH

> RXA00441 (1-792, translated) 264 residues
IPATPQQGFI RLQGSDDITAG DEIIPAGTEL NSVHIGVLAS QSIKSIEVAA KPRVLIITGG
SEISEQHGA TIPDANGPLL RSLCARNNIE VIAGLHTNDD PERLRFELEN AIDQYQPDVI
ITSGGISHGK FEVFRQILEG TPNSWFGHVD QPQGGPQGIS TFAETPVISL PGNPISTLVS
FTLLVAPALN RQPLRHLDAR ITAPVQGLQD NREQFLRGTI SYRNGPRPRH ASPGHQFPPA
GSSCHRRRLSD QDPGADYGGG KRHR

> RXA00442 (1-258, translated) 86 residues
MSELTHVRAD GSAHMDVDTG KNETSRTAVA EGFVKMRGDV VKQLFSAGLP KGDALPVARI
AGIMGAKKTP DIIPLCHPLP LGKITV

> RXA00446 (1-522, translated) 174 residues
MEKVPNDVVV GLDEAYFEFN RADDTPVATE EIHRHDNVIG LRTFSKAYGL AGLRVGYAFG
NAEIIAAMNK VAIPFAVNSA AQAAALASLN SADELMERVE ETVEKRDAVV SALGAAPTQA
NFVWLPGEA AELAAKLAEH GIVIRAFPEG ARISVTNAEE TDKLLRAWEA INAG

> RXA00448 (1-666, translated) 222 residues
YVGSHPMAGT ANSGWSASMD GLFKRAVWV TFDQLFDGTD INSTWISIWK DVVQMALAVG
AEVVPSPRVGP HDAAAARVSH LTHILAETLA IVGDNGGALS LSLAAGSYRD STRVAGTDPG
LVRAMCESNA GPLVKALDEA LAILHEAREG LTAEQPNIEQ LADNGYRSRI RYEARSQRR
AKESVSPTIT SSRPVRLRHP GTPNWEKQLI HAETLGARIE VF

> RXA00450 (1-318, translated) 106 residues
VGVLVPQARI KDDERRMRHA LDIARQTPEG DVPVGAVIYA PTGEILATAT NRREADRDPT
AHAEIIALRR AARRFSDGWR LSDCTAVVTI EPCSMCAGAL VGARIG

> RXA00452 (1-246, translated) 82 residues
VTTKDISRPV CILGLGLIGG SLLRDLHAAN HSVFGYNRSR SGAKSADVEG FDVSADLEAT
LQRAAAEDAL IVLAVPMTAI DS

> RXA00461 (1-852, translated) 284 residues
VTAIKLDGNL YRGEIFADLE QRVAALKEKG IVPGLATVLV GDDPASHSYV KMKHRDCEQI
GVNSIRKDLF ADVTQEELFA VIDELNNDSD CTGYIVQLPL PKHLDENAVL ERIDPAKDDA
GLHPVNLGKL VLNEPAPLPC TPNGSISLLR RFGVELDGAK VVVIGRGVTV GRPIGLMLTR
RSENSTVTLC HTGTDKLAEE TRAADVIAA AGQPHMLTAD MVKPGAVALD VGVSRKDGKL
LGDVHPDVWE VAGAVSPNPG GVGPLTRAFL VHNVVERAEK LAGL

> RXA00465 (1-492, translated) 164 residues
MTEDDLDLH RTVELATQAL KQGNPYGSL LVDVPGAVVF EDHNRDADGD LTKHPEFAIA
KYAIENYSAS ERAACTVYTS TEHCAMCAGA HAWAGLGKIY CATTGGQTAA WYAKWGAESG
PLNPISADKI SPNISIEGPA SRFEELVLYE HRWFYLGQSP NKAL

> RXA00487 (1-1386, translated) 462 residues
VSLQTNHRPV LVVDFGAQYA QLIARRVREA GIYSEVIPHT ATADDVRAKN AAALVLSGGP
SSVYAEAGPS LDAEILDGL PVFGICYGFQ AMTHALGGTV ANTGKREYGR TDINVAGGVL
HEGLEACHKV WMSHGDAVSE APEGFVVTA SEGAPVAEFE NKERKMAGVQ YHPEVLHSPH
GQAVLTRFLT EIAGLEQNW AANIAEELIE KVREQIGEDG RAICGLSGGV DSAVAGALVQ
RAIGDRLTCV FVDHGLLRAG EREQVEKDFV AATGAKLTV DERQAFLSKL AGVTEPEAKR
KAIGAEFIRS FERAAGVLE EAPEGSTVDF LVQGTLYPDV VESGGGSGTA NIKSHHNVGG
LPDDVEFKLV EPLRDLFKDE VRAVGRELGL PEEIVGRQPF PGPGLGIRII GEVTEDRLET
LRHADLIART ELTEAGLDGV IWQCPVLLA DVRSVGQGD GR

> RXA00488 (1-534, translated) 178 residues
QITAIMEAAV PAHKAGVPII ADGGMQFSGD IAKALAAGAN SVMLGSMLAG TAEAPGETIT
INGKQYKRYR GMGSMGAMQG RGLSGEKRSY SKDRYFQSDV KSEDKLVPEG IEGRVPFRGP
IGDIIHQVVG GLRAAMGYTG SSTIEELHNA RFVQITSAGL KESHPHHIQ TVEAPNYH

> RXA00489 (1-1122, translated) 374 residues

MRDHVEIGIG REARRTYSLD DISVVSSRRT RSSKDVDTTW HIDAYKFDLP FMNHPSDALA
 SPEFVIEMGK QGGLGVINAE GLWGRHADLD EAIKAVIAAY EEGDQAAATR TLQELHAAPL
 DTELLSERIA QVRDSGEIVA VRVSPQNVRE IAPIVIKAGA DLLVIQGTLI SAEHVNTGGE
 ALNLKEFIGS LDVPVIAGGV NDYTTALHMM RTGAVGIIVG GGENTNSLAL GMEVSMATAI
 ADVAAARRDY LDETGGRYVH IADGSIENS GDVVKAIACG ADAVVLGSPL ARAEEAAGKG
 YFWPAVAHP RFPRGVVTES VDLDEAAPSL EQILHGPSTM PWGVENFEGG LKRALAKCGY
 TDLKSFQKVS LHVN

> RXA00492 (1-474, translated) 158 residues
 MTTQSRVSTG GDNPNKVALV GLTFDDVLLL PDASDVVPSE VDTSTQLTRN IRLNTPILSA
 AMDTVTEAM AIGMARHGGI GVLHRNLSIQ EQAENVELVK RSESGMVTDP VTCTPDMSIQ
 EVDDLCAFR ISGLPVVDEA GKLVGICTNR DMRFESDM

> RXA00533 (1-1032, translated) 344 residues
 MTIAVVGAT GQVGQVMRTL LEERNFPADT VRFFASPRSA GRKIEFRGTE IEVEDITQAT
 EESLKDIDVA LFSAGGTASK QYAPLFAAAG ATVVDNSSAW RKDDEVPLIV SEVNPSDKDS
 LVKGIIANPN CTTMAAMPVL KPLHDAAGLV KLHVSSYQAV SGSGLAGVET LAKQVAAGVD
 HNVEFVHDGQ AADAGDVGPY VSPIAYNVLP FAGNLVDDGT FETDEEQKLK NESRKILGLP
 DLKVSCTCVR VPVFTGHTLT IHAEFDKAIT VDQAQEILGA ASGVKLVDVP TPLAAAGIDE
 SLVGRIRQDS TVDDNRGLVL VVSGDNLRKG AALNTIQIAE LLVK

> RXA00534 (1-1263, translated) 421 residues
 VALVVQKYGG SSLESAERIR NVAERIVATK KAGNDVVVVC SAMGDTTDEL LELAAAVNPV
 PPAREMDMLL TAGERISNAL VAMAIESLGA EAQSFTGSQA GVLTTERRHGN ARIVDVTGPR
 VREALDEGKI CIVAGFQGVN KETRDVTTLG RGGSDTTAVA LAAALNADVC EIYSDVDGVY
 TADPRIVPNA QKLEKLSFEE MLELAAVGSK ILVLSVEYA RAFNVPLRVR SSYSNDPGTL
 IAGSMEDIPV EEAVLTGVAT DKSEAKVTVL GISDKPGEAA KVFRALADAE INIDMVLQNV
 SSVEDGTTDI TFTCPRSDGR RAMEILKKLQ VQGNWNTNLY DDQVGKVS LV GAGMKSHPGV
 TAEFMEALRD VNVNIELIST SEIRISVLIR EDDLDAARA LHEQFQLGGE DEAVVYAGTG
 R

> RXA00536 (1-1233, translated) 411 residues
 MSPNDAFISA PAKIETPVGP RNEGQPAWNK QRGSSMPVNR YMPFEVEVED ISLPDRTPWD
 KKITVAPQWC AVDLRDGNQA LIDPMSPERK RRMFELLVQM GFKEIEVGFP SASQTDFFDV
 REIIEKGMIP DDVTIQVLVQ AREHLIRRTF EACEGAKNVI VHFYNSTSL QRNVVFRMDK
 VQVKKLATDA AELIKTIAQD YPDTNWRWQY SPESFTGTEV EYAKEVDDAV VEVMDPTPEN
 PMINLPSTV EMITPNVYAD SIEWMHRNLN RRDSIILSLH PHNDRGTGVG AAELGYMAGA
 DRIEGCLFGN GERTGNVCLV TLALNMLTQG VDPQLDFTDI RQIRSTVEYC NQLRVPERHP
 YGGDLVFTAF SGSHQDAVNK GLDAMAAKVQ PGASSTEVSUW EQLRDTWEV P

> RXA00537 (1-675, translated) 225 residues
 VYHRAVLNAT SAATPFKQKN ANAGVLRIDE ETXRGVAISA DASGRYTKLE PNTGAQLALA
 EAYRNVVSTG ARPVAVTNCL NFGSPENAGV MWQFKEAVHG LADGSKLLGI PVSGGNVSFY
 NQTGDEPILP TPVVGVLGVL DNVEQSIGNV LPSEDNDLYL LGETFDEFEGG SIWQQVSGAG
 LNGLPPVVDL LNEQRLADLF VGSDLFAASH DLSEGGGLGT LAELA

> RXA00541 (1-669, translated) 223 residues
 VSAKIGVITF PGTLDDVDAA RAARIAGAEV ISLWHADEDL KGVDAVVVPG GFSYGDYLRT
 GAISALAPVM QSVIEQAGKG MPVLGICNGF QILTEARLLP GALTRNKGLH FHCVDAHLVV
 ENNTTAWTNT LEKGQILIP AKHGEGRFQA DAETIAQLEG EGRVVFRTYD NFNGSVNDIA
 GITNETGRIV GLMPHPEHAV EKLTPGSIDG LELFLSAVGT IAA

> RXA00557 (1-804, translated) 268 residues
 LLSPYAWGLS RALLDSYVPN KFQTPAGEAK YTMSDHQDTT AEGVSYYAAG VDIEAGDRAV
 ELFAPMAKRA TRPEVLGNLG GFAGLFELGK YKKPILAAGS DVGTKLVIA QMMDKHDTIG
 IDLVAMCVDD LVVTGAEPFL LQDYIAIGKV VPEHVAEIVS GIAEGCVQAG CALLGGETAE
 HPGVMEPDHY DVSATAVGVV EADELLGPDR VRAGDVLIGM ASSGLHSNGY SLARHVLEK
 AGLALDGHIE ELGRTPGEEL LEPTRMYA

> RXA00558 (1-441, translated) 147 residues
 VVKKPAGIAV GDGEQILVFK DLGLVSQVFD QPIESLRGN IAIGHTRYTT AGGNTWENAG

PMFRMAPDGT DIALGHNGNL INYIELLDKA TELGLVDPK KPSD TDVLTG LLASGVHDGN
NLFDSAKELL PSVKGAYCLT FTDGHTL

> RXA00561 (1-279, translated) 93 residues
LFPDPPPIVH LTCLLSPASR IVVATNRGEE LEKRAAELGV PVFKLGCTND SAVIAVKGAD
VEFTVSVEEL REAWTNTLPE AFGHAVGANA VVA

> RXA00579 (1-1860, translated) 620 residues
MRVLIIDNYD SFTFNLATYV EEVTGQAPVV VPNDQEIDEM LFDVILSPG PGHAGVAADF
GICAGVIERA RVPILGVCLG HQGIALAYGG DVDLAPRPVH GEVSQITHDG SGLFAGIPET
FEAVRYHSMV ATRLPELSKA TATSDDGLIM ALAHEVLPQW GVQFHPESIG GQFGHQIKN
FLNLARTYRW QLTEKTIPLS VDSAAVFET FAFSSSHAFWL DDAQGTSYLG DASGPLARTK
THNVGEGDFF TWLKEDLAAN SVAPGQGFRL GWVG YVGYEL KAEAGARAAH TSSLPDAHLI
FADRAIAVES DQVRLALGE QDEWFEETIK KLHNLVAPRI PASGHLALQV RDSKDEYLDK
IRRAQELITR GESYEICLT KLQGT TDVAP LAAYLALRGA NPTAYGAYLQ LGDTSILSSS
PERFITIDSA GYVESKPIKG TRPRGRTAQE DQEIIAELRS NPKDRAENLM IVDLVRNDLA
RGALPTTVKT SKLFDVETYA TVHQLVSTVS AELGPRSPIE CVRAAFPGGS MTGAPKLRTM
EIIDELEAAP RGIYSGGLGY FSLDGAVDLS MVIRTLVIQN NHVEYGVGGA LLALS DPEAE
WEEIRVKS RP LLNLF GVEFP

> RXA00580 (1-1302, translated) 434 residues
MTDAHQADDV RYQPLNELDP EVAAAIAGEL ARQRDTLEMI ASEN FVPRSV LQAQGSVL TN
KYAEGYPGRR YYGGCEQVDI IEDLARDRAK ALFGAEFANV QPHSGAQANA AVLMTLAEPG
DKIMGLSLAH GGH LTHGMKL NFSGKLYEVV AYGVDPETMR VMDQVREIA LKEQPKVIA
GWSAYPRHL DFEAFQSIAAE VGAKLWVDMA HFAGLVAAAGL HPSPVPYSDV VSSTVHKTLG
GPRSGIILAK QEYAKKLNSS VFPGQGGGPL MHAVAAKATS LKIA GTEQFR DRQARTLEGA
RILAERLTAS DAKAAGVDVL TGGTDVHLVL ADLRNSQMDG QQAEDLLHEV GITVNRNAV P
FDPRPPMVT S GLRIGTPALA TRGFDIPAFT EVADIIGTAL ANGKSADIES LRGRVAKLAA
DYPLYEGLED WTIV

> RXA00581 (1-969, translated) 323 residues
MAEQNAAST GVKPSRTPD FSPYLD FDRA QWRELNSMP QVLTQKEVIE LRGIGENIDL
AEVAEVYLP L SRLIHLQVAA RQQLTAATET FLGTSPSISV PFVIGVAGSV AVGKSTTAR
LQVLLQRWNS HPRVDLVTTD GFLYPGAELI RRG LMSRKGF PESYDQRALL RFVTDVKSGK
LEVNA PVYSH TAYDRVPGEF TTVRQPDILI VEG LNVLTG PTLMVSDLFD FSVYVDARTE
DIEKWIYDRF LKLRDTAFRR PGAHF SHYAD MADPESIAVA RELWQSINLP NLVENILPTR
VRASLV LKKG SDHLVERVRM RKI

> RXA00584 (1-1125, translated) 375 residues
MHSPERQEK M SSPVSL ENAA STSNKR VVAF HELPSPTDLI AANPLTPKQA SKVEQDRQDI
ADIFAGDDDR LVVVVGPCSV HDPEAAIDYA NRLAPLAKRL DQDLKIVMRV YFEKPR TIVG
WKGLINDPHL NETYDIPEGL RIARKVLIDV VNLDLPVGCE FLEPNSPQYY ADTVAWGAI G
ARTTESQVHR QLASGMSMPI GFKNGTDGNI QVAVDAVQAA QNP HFFFGTS DDGALS VVET
AGNSNSHIIL RGGTSGPNHD AASVEAVVEK LG ENARLMID ASHANS GKDH IRQVEVVREI
AEQISGGSEA VAGIMIESFL VGGAQNLDPA KLRINGGEG L VYQSVTDKC IDIDTTIDLL
AELAAAVRER RAAAK

> RXA00618 (1-534, translated) 178 residues
MSFGRPLATA HQFSKNAIVV GTLSKYFSMT GWRVGWIIVP DELVTPIENL QASLSLCAPA
IGQAAGRAAF TLEAGAELDA HVEAYREARE VFVDKLPEIG LGTFADPDGG LYLWVDVSAY
TDDSEEWALR LLDEAGVAVA PGVDFDPEEG HKWIRLSLCA SKEDTIEGVR KIGEFIKK

> RXA00619 (1-1428, translated) 476 residues
VADKKKIANV LSNRYASAE L SNLWSAE EKI IMERQLWIAV MKAQKDLGVE IPAEAI ESYE
AVIDQVDLAS IADRERVTRH DVKARIEEFN ALAGHEHIHK GMTSRDLTEN VEQLQIHRSL
ELVRNKGIAV VAAIGSRAAQ YQSLVMAGRS HNVAAQATTL GKR FATAADE MLVALERVTE
LLNRYPLRGI KGPMGTAQDM LDLMEGDEAR LSDLETRIAA HLGFD R VFDS VGQVYPRSLD
FDAVSALVQL GSGPSSLSHT IRLMAGTETV TEGFKEGQVG SSAMPHKMNA RSCERVGG LQ
VILRGYLT MV ADLSGQQWNE GDVFCSVIRR VALPD AFFAI DGMFETFLT V LDEFGAFFAM
IERELERYLP FLATTRILMA AVRAGVGRET AHEVIKENAV AVALNMRENG GDQDLIQRLA

ADERLPMSEA DLEAALADRH AFIGAAESQV SRVLDRIQVL VDAHPGAADY RPGEIL

> RXA00620 (1-891, translated) 297 residues
MRPELSQYKH LSAGKVREIY EIDDKHILMV ASDRISAYDF ILDTTEIPDKG RVLTAAMSQFF
FDTIDFPNHL AGPADDPRIP EEVLGRAMVC KKLNMPLPFEC VVRGYLTGSG LVEYKQTSSV
CGVELPEGLV ESSQLPEPIF TPATKADIGD HDINVSFDVV EERLGEARAN QLRDASIAIY
KAAAEIARDR GVILADTKFE FGIDEDGTLV LGDEVLTTPDS SRYWPLEGYE AGSVQPSFDK
QFVRNWLTPG KSGWDKDSGL EPPALPGSVV EATRERYIEA YELISGQKFC QWIGSCV

> RXA00624 (1-687, translated) 229 residues
MSGRLLVSVS SIFDQTRSAA DRLISDLRAD GIEVSLLVAP RIDGDWRLAK DKGT LAWMEQ
QRERGHELIL NGFDQAVQGR RSEFANLERH EARLRLTGAI RQMOKIGFEF QIFAPPRWRM
SEGTFVLPE FDFNVAASR GLHNLDTGEF LACRNLSVGE GFGAAKWWRK NVIKAVTRGA
EKGNTVRLSA SARLNTNPKV AADFREAALA ALDLGAQVQT YSQAQAQLA

> RXA00626 (1-780, translated) 260 residues
DRAAARAHVD AVLEGGNPVL LESFLDGPV SLFFLVLDGET VVPLLPAQDH KRAYDNDEGP
NTGGMGAYAP LPWLPEDGVQ RIVDEVCPV AREMVARGCA YSGLLYAGIA WGAEGPAVVE
FNCRFGDPET QAVLALLKTP LAVLLNAVAT GTLAEQPALE WEDAYALTVV LASYNYPEAP
RTGDVIRNAD ADNVLHAGTA LNAEGELVSA GGRVLNVIGV GETLEAARDN AYTTIKDIEL
EGSHYRSDIA LAALEGRISI

> RXA00627 (1-285, translated) 95 residues
MQMLDRVHRR RREGKDTLMF CAGQPSTGAP EAVIEEAEIA LRSGPLGYTE VIGDREFRER
IADWHSATYD VDTNPDNVIV TTGSSGGFVA SFIAT

> RXA00629 (1-264, translated) 88 residues
MRILVIGSGA REHALLRGLS TDPATTELHV APGNAGLCSI ATVHPGIKAD DPEAVTALAK
ELNSDLVIG PEIPLVAGVA DALRAAGI

> RXA00632 (1-672, translated) 224 residues
MPFLFVSGTG TGVGKTFSTA VLVRYLADQG HDVLPVKLVQ TGELPGEEDI FNIERLTGIA
GEEFARFKDP LAPNLAARRE GVEPIQFDQI ISWLRGFDDP DRIIVVEGAG GLLVRLGEDF
TLADVASALN APLVIVTSTG LGSLNAAELS VEAANRRGLT VLGVLGGSIP QNPDLATMLN
LEEFERVTGV PFWGALPEGL SRVEGFVEKQ SFPALDAFKK PPAR

> RXA00633 (1-1269, translated) 423 residues
MENPSLRELD HRNIWHYPYAA PGVRNRLVTK TDGVFLTLED GSTVIDAMSS WWSAIHGHGH
PRLKAAAQKQ IDTMSHVMFG GLTHEPAIKL THKLLNLTGN SFDHVFYSDS GSVSVEVAIK
MALQASKGQG HPERTKLLTW RSGYHGDTFT AMSVCDPENG MHSWLKGTLP EQIFAPAPPV
RGSSPQAISE YLRSMELLID EAVSAIIEP IVQGAGGMRF HDVALIEGVA TLCKKHDRFL
IVDEIATGFG RTGELFATLS NGLQPDIMCV KQALTGGFMS FAATLCTDKV AQLISTPENG
GALMHGPTFM ANPLACAVSH ASLEIETGM WQKQVKRIEA ELIAGLSPLQ HLPGVADVRV
LGAIGVIE ME QNVNVEEATQ AALDHGVWIR PFGRLLYVMP PYITTSEQCA QICTALHAAV
KGK

> RXA00688 (1-543, translated) 181 residues
MRLVLLGPPG AGKGTQAAIL SEKLGIPIHIS TGDIFRANIG EGTPLGIEAK QYIDAGKLV
TDVTARMVAS RLAESDAAEG FLLDGFPRTV EQADILANLL SEAGQTLGTV VNYQVSEDVV
VERMLSRGRA DDNEETIRTR LGVYRDETAP LIDHYGDKII NIEAEGEEVEE INARTLKALG
K

> RXA00708 (1-672, translated) 224 residues
TVGKAVRESG VPREEIVTS KLPGRFHARD LGRVRIEESL YRLNLDYIDL LLIHWPNPSPK
DLYVEAWETL IEVRDAGLVK HIGVSNFLPN HIDRLRRETG ELPVAVNQIEL HPYFPQVEQV
DFHDELGIIT EAWSPLSNGR GLVEEPLLKE IGERYGVGSG EIALAWHHAR GIVPIPRSTN
PARQRSNLEA VKISLIDEDV QAITALARKN GRIKDQDPV YEEF

> RXA00717 (1-960, translated) 320 residues
VTPPARRDGT PDKKQSNRSG GYRSSVRGYK PGSSRPNTRQ QPQKKDEILL SNAKPAKKQN

VKSDDDWSMG FLNRNDSDBG RLQKVLAQAG VASRRHAEIL IDQGRVEVND RIVTTQGVVRV
DPNNDVIRVD GVRIHINEDL EYFVLNKPRG MHSTMSDELG RPCVGDLVSE KTASGQRLFH
VGRLDADTEG LLLLTTNDGEL ANRLMHPKYE VSKTYLATVR GEATNKLVSALRDGVELEDG
PAKADFAQII DVFQGKSLR IEIHEGRKHI VRRLFDELGF PVERLVR TKL HTVQLGDQKP
GSLRALNSSE LTSLYKVVQL

> RXA00718 (1-708, translated) 236 residues
VTEISNMPAG GLIVAIDGPS GTGKSTTSRA LATRLSAKYL DTGAMYRVAT LHVNLQGIDP
ADSAAVIAAT AVLPLSISDD PASTEVLLAG VDVQKDIRGP EVTQNVSAVS AIPEVRENLV
ALQRALAACA HRCVVEGRDI GTAVLVDAPL KAFLTASAEV RAQRRFDQDT AAGRVDVFDAL
VLADVRRDE LDSTRAASPL KPADDAHIVD TSDMTMDQVL DHLIHLVEAS AERSNQ

> RXA00727 (1-912, translated) 304 residues
LRFPKIPKRA VAATVGIVAT SFTLASCVTN EEQGNPDGWE QIVPDPVPEI QAMVPEALAQ
RGVLTAGANP PFPPFEFKDS DGQIIGVEMD LVRAMAGVMG LEFSPQEQDF SLILPSVQAG
TLDIGASGFT DNEERRENFID FIDFLFAGVQ WAQATDRETP IDPENACGLT VAVQRTVAG
TDDVRPRSAQ CEAEKGEPIT ILSYETADTA ATALILGRAD ALAADSPVSA WAAERSEGR
EVVGDMYLAAPFGFAFPLES DLTPAAAAAF QHLIDTGDYQ RIMAQWGIEE GLLDEALINE
QPLN

> RXA00766 (1-843, translated) 281 residues
MVFWDDAALT RGDGIFETLL IRDGHACNVR RHGERFKASA ALLGLPEPIL EDWEKATQMG
IESWYSHRNA GEASCTWTLS RGRSSTGLS GWLTITPVSS DKLAQREHGV SVMTSSRGYS
IDTGLPGIGK ATRGELSKVE RTPAPWLTVG AKTLAYAANM AALRYAKSNG FDDVIFTDGD
RVLEGATSTV VSFKGDKIRT PSPGGDILPG TTQAALFAHA TEKGWRCKEK DLSIDDLFGA
DSVWLVS SVR GPVRVTRLDG HKLRKPDNEK EIKALITKAL G

> RXA00770 (1-315, translated) 105 residues
VTGGGLAGNL ERVVPEGLVA EMSRATWTPG QIFRTISSVG KVSREEMEKT FNMGVGMVAV
VAEKDRDRAL AMLTARHIDC WEIGTVRNGE EGEPRVILNG EHPGY

> RXA00779 (1-933, translated) 311 residues
MGNVYNNITE TIGHTPLVKL NKLTEGLDAT VLVKLESFNP ANSVKDRIGL AIVEDAEKSG
ALKPGGTIVE ATSGNTGIAL AMVGAARGYN VVLTMPETMS NERRVLLRAY GAEIVLTPGA
AGMQGAKDKA DEIVAERENA VLARQFENEA NPRVNRDTTA KEILEDTDGT VDIFVASFGT
GGTVTGVGQV LKENNADVQV YTVEPEASPL LTAGKAGPHK IQGIGANFIP EVLDRKVLDD
VLTVSNEAI AFSRKLATEE GILGGISTGA NIKAAALDLAA KPENAGKTIV TVVTDFGERY
VSTVLYEDIR D

> RXA00780 (1-546, translated) 182 residues
MIREDLANAR EHDPAARGDL ENAVVYSLH AIWAHRVANS WWKSGFRGPA RVLAQFTRFL
TGIEIHPGAT IGRFFIDHG MGIVIGETAE IEGVMLYHG VTLGGQVLTQ TKRHPTLCDN
VTVGAGAKIL GPITIGESALIGANAVTKD VPAEHIAVGI PAVARPRGKT EKIKLVDPDY
YI

> RXA00838 (1-900, translated) 300 residues
MKIAIVGAGA VGGYFGALLQ ESGADITMVA RGRITLALKS KGLHINDARG ERYVPIPAVA
SVQELKDAV VMIATKALSRLDLAELLGG IPANSVVAIT QNSIESADLA AKSIGADRVW
PGVVRGFFVH EGPASVSYKG GPLSYTFGDS GELSRQFAST LEQAGIDGVL HPDILVDVWE
KAMFVEVFGG LGAFVEKQLG TLRTHFRASL EALMEEVAEV ARAAGVALPS DAVERTMNFA
DRMPENSTSS MQRDLAAGVA SELEAQTGAI VRAAHKVGK TPLHDLIYAG LKLKEEENSL

> RXA00863 (1-744, translated) 248 residues
MGIVGVGLGA KGRVGQTIVA AVNESDDLEL VAEIGVDDDL SLLVDNGAEV VVDFTTPNAV
MGNLEFCINN GISAVVGTTG FDDARLEQVR DWLEGKDNVG VLIAPNFAIS AVLTMVFSKQ
AARFFESA EV IELHHPNKLD APSGTAIHTA QGIAAARKEA GMDAQPDAT QALEGSRGAS
VDGIPVHAVR MSGMVAHEQV IFGTQGQTLT IKQDSYDRNS FAPGVLVGVR NIAQHPGLVV
GLEHYLGL

> RXA00864 (1-750, translated) 250 residues
VAEQVKLSVE LIACSSFTPP ADVIEWSTDVE GAEALVEFAG RACYETFDKP NPRTASNAAY

LRHIMEVGHT ALLEHANATM YIRGISRSAT HELVRHRHFS FSQLSQRFVH SGESEVVVPT
 LIDEDPQLRE LFMHAMDESR FAFNELLNAL EEKLGDEPNA LLRKKQARQA ARAVLPNATE
 SRIVVSGNFR TWRHFIGMRA SEHADVEIRE VAVECLRKLO VAAPTVEGDF EIETLADGSQ
 MATSPYVMDF

> RXA00865 (1-903, translated) 301 residues
 MSTGLTAKTG VEHFGTVGVA MVTPFTESGD IDIAAGREVA AYLVDKGLDS LVLAGTTGES
 PTTTAAEKLE LLKAVREEVG DRAKLIAGVG TNNTRTSVEL AEAASAGAD GLLVVTPYYS
 KPSQEGLLAH FGAIAATEV PICLYDIPGR SGIPIESDTM RRLSELPTIL AVKDAKGLV
 AATSLIKETG LAWYSGDDPL NLVWLALGGS GFISVIGHAA PTALRELYTS FEEGDLVRAR
 EINAKLSPLV AAQGRLLGVS LAKAALRLQG INVGDPRPLI MAPNEQELEA LREDMCKAGV
 L

> RXA00867 (1-627, translated) 209 residues
 FGDMDFKVAG TADFITALQL DTKLDGIPSK VLSDALEQAR DARLTILNTM ADVINGPDEM
 SKFAPRITTV KIPVAKIGEL IGPKGKNINA LTEETGANIS IEDDGTVFIS AADGASAEAA
 IEKINALANP QLPKVGGERFL GTVVKTAFG AFVSLLPGRD GLVHISKLGK GKRVEKVDDV
 VKVGEKIQVE IADIDNRGKI SLVPVVEED

> RXA00873 (1-756, translated) 252 residues
 TAQWGIFLRN HDELTLEMVS DEERSYMSQ FASEPRMRAN VGIRRRLSPL LEGDRNQLEL
 LHGLLSLPG SPVLYYGDEI GMDGNIWLHD RDGVRTPMQW SNDRNGGFSK ADPERLYLPA
 IQNDQYGYAQ VNVESQLNRE NSLLRWLRNQ ILIRKQYRAF GAGTYREVSS TNESVLTFLR
 EHKGQTILCV NMMSKYPQAV SLDLREFAGH TPREMSSGQL FPTIAEREWI VTLAPHGFFW
 FDLTADEKDD ME

> RXA00884 (1-1140, translated) 380 residues
 MSVFGVYIHV PFCSTRCGYC DFNTYTAGEL GSTAGPDTYL DSLEVELEMA VASLDNPRQA
 ETIFIGGGTP SLIGADGLAR VLGAVERNTEG IADGAEVTTT SNPESTSPEF FDGLREAGYN
 RISLGMQSAS SSVLKVLDRD HTPGRPVAAA KEAREAGFEH VNLDMIYGTP TETDDDVRKT
 LNAVLEANDV HVSAYSLIVK DGTAMARKVH KGELPAPDED VYADRFELID ARLRSAGFDW
 YEVSNNWAKPG GECKHNMGYW VDGDDWWGAGP GAHSHIGDRR FYNIKHPARY SAQIAAGELP
 IKETERLTAE DHHTERVMLG LRLKQGVPLN LFAPAARPVI DRHIAGGLLH VNALGNLAVT
 DAGRLLDAGI IADILLSEED

> RXA00891 (1-1002, translated) 334 residues
 VLQTSWHFSI LAGMTDTSPL NSQPSADHHP DHAARPVLDA HGLIVEHESE EFPVPAPAPG
 EQPWEKKNRE WYKDAVFYEV LVRAFYDPEG NGVGSLLKGLT EKLDYIQWLK VDCIWIPIFY
 DSPLRDGGYD IRNFREILPE FGTVDDEFVEL VDHARRGLR VITDLVMNHT SDQHAWFQES
 RRDPTGPYGD FYVWSDDPTL YNEARIIFVD TEESNWTYDP VRGQYFWHRF FSHQPDLYD
 NPAVQEAMLD VLRFWLDLGL DGFRLDAVPY LFEREGTNGE NLKETHDFLK LCRSVIEKEY
 PGRILLAEAN QWPQDVVEYF GEKDKGDECH MAFH

> RXA00952 (1-840, translated) 280 residues
 MSRYDDLAFR LDTAGEGAFV PFIMLSDPSP EEAQFIISTA IEAGADALEL GVPFSDPVAD
 GPTVAESHLR ALDGGATVDS ALEQIKRVRA AYPEVPIGML IYGNVPFTRG LDRFYQEFAR
 AGADSILLPD VPVREGAPFS AAAAAAGIDP IYIAPANASE KTLEGVSAAS KGYYIAISRD
 GVTGTERESS TDGLSAVVDN IKKFDGAPIL LGFGISSPQH VADAIAGAS GAITGSAITK
 IIAHCEGEH PNPSTIRDMD GLKKDLTEFI SAMKAATKKV

> RXA00954 (1-588, translated) 196 residues
 FLFAPAYNPA IAHVQPVQRQA LKFPTIFNTL GPLLSPARPE RQIMGVANAN HGQLIAEVFR
 ELGRTRALVV HGAGTDEIAV HGTTLVWELK EDGTIEHYTI EPEDLGLGRY TLEDLVGGGLG
 TENAEAMRAT FAGTGPDAGR DALAASAGAM FYLNGDVDSL KDGAQKALSL LADGTTQAWL
 AKHEEIDYSE KESSND

> RXA00955 (1-1422, translated) 474 residues
 MTSNNLPTVL ESIVEGRRGH LEEIRARIAH VDVDALPKST RSLFDSLNGG RGGARFIMEC
 KSASPSLGM IREHYQGEIA RVYSRYASGI SVLCEPDRFG GDYDHLATVA ATSHLPVLCK
 DFIIIDPVQVH AARYFGADAI LLMLSVLDDE EYAALAAEAA RFDLDILTEV IDEEEVARAI
 KLGAKIFGVN HRNLHDLSD LDRSRRLSKL IPADAVLVSE SGVRDTETVR QLGGHSNAFL

VGSQLTSQEN VDLAARELVY GPNKVCGLTS PSAAQTARAA GAVYGGLIFE EASPRNVSRE
 TLQKIIAAEP NLRYVAVSRR TSGYKDLLVD GIFAVQIHAP LQDSVEAEKA LIAAVREEVG
 PQVQVWRAIS MSSPLGAEVA AAVEGDVDKL ILDAHEGGSG EVFDWATVPA AVKAKSLLAG
 GISPDNAAQA LAVGCAGLDI NSGVEYPAGA GTWAGAKDAG ALLKILATIS TFHY

> RXA00956 (1-1131, translated) 377 residues
 MTEKENLGGS TLLPAYFGEF GGQFVAESLL PALDQLEKAF VDATNSPEFR EELGGYLRDY
 LGRPTPLTEC SNLPLAGEGK GFARIFLKRE DLVHGGAHKT NQVIGQVLLA KRMGKTRIIA
 ETGAGQHGTALACALMGL ECVVYMGAKD VARQQPNVYR MQLHGAKVIP VESGSGTLKD
 AVNEALRDWT ATFHESHYLL GTPAGPHFPF TIVREFHKVI SEEAKAQMLE RTGKLPDVVV
 ACVGGGSNAI GMFADFIDDE GVELVGAEP A GEGLD SGKHG ATITNGQIGI LHGTRSYLMR
 NSDGQVEESY SISAGLDYPG VGPQHAHLHA TGRATYVGIT DAEALQAFQY LARYEGIIPA
 LESSHAFAYA LKRAKTA

> RXA00957 (1-1128, translated) 376 residues
 DFLETFTLP AVEESVNTYP DYQFVLAIEV LDINHQDQTA KLAGVSNAPG ELEAE LNKLS
 LLIDAALPAT EHAYQTTPHD GDTLRVVADI PDAQFRTQIN ELKENIYNGD IYQVVPARTF
 TAPCPDAFAA YLQLRATNPS PYMFYIRGLN EGRSYELFGA SPESNLKFTA ANRELQLYPI
 AGTRPRGLNP DGSINDELDI RNELDMRTDA KEIAEHTMLV DLARNDLARV SVPASRRVAD
 LLQVDYRSRV MHLVSRVTAT LDPELDALDA YRACNMGTG TGAPKL RAME LLRGVEKRRR
 GSYGGAVGYL RGNGDMDNCI VIRSAFVQDG VAAVQAGAGV VRDSNPQSEA DETLHKAYAV
 LNAIALAAGS TLEVIR

> RXA00958 (1-624, translated) 208 residues
 MTHVVLIDNH DSFVYNLVDA FAVAGYKCTV FRNTVPVETI LAANPDLICL SPGPGYPADA
 GNMMALIERT LGQIPLLGIC LGYQALIEYH GSKVEPCGPV HGTTDNMILT DAGVQSPVFA
 GLATDVEPDH PEIPGRKVPI GRYHSLGCVV APDGIESLGT CSSEIGDVIM AARTTDGKAI
 GLQFHPESVL SPTGPVILSR CVEQLLAN

> RXA00970 (1-927, translated) 309 residues
 MAIELNVGRK VTVTVPGSSA NLGPGFDTLG LALSVYDTVE VEIIPSGLEV EVFGEQGEV
 PLDGSHLVVK AIRAGLKAAD AEPVGLRVVC HNNIPQSRGL GSSAAA VAG VAAANGLADF
 PLTQEQIVQL SSAFEGHPDN AAASVLGGAV VSWTNLSIDG KSQPQYAAVP LEVQDNIRAT
 ALVPNFHAST EAVRRVLPTE VTHIDARENV SRVAVMIVAL QQRPDLLWEG TRDRLHQPYR
 AEVLPITSEW VNRLRNRGYA AYLSGAGPTA MVLSTEPIPD KVLEDARESG IKVLELEVAG
 PVKVEVNQP

> RXA00972 (1-1377, translated) 459 residues
 PAPGWRFRGT EDVTMATVEN FNELPAHVWP RNAVRQEDGV VTVAGVPLPD LAEEYGTPLF
 VVEDDDFRSR CRDMATAFGG PGNVHYASKA FLTCTIARWV DEEGLALDIA SINELGIALA
 AGFPASRITA HGNNKGVEFL RALVQNGVGH VVLDSAQELE LLDYVAAGEG KIQDVLRVK
 PGIEAHTHEF IATSHEDQKF GFSLASGSF EAKAANNAE NLNLVGLHCH VGSQVDAEG
 FKLAAERVLG LYSQIHSELG VALPELDLGG GYGIAYTAAE EPLNVAEVAS DLLTAVGKMA
 AELGIDAPTV LVEPGRAIAG PSTVTIYEVG TTKDVHVDDD KTRRYIAVDG GMSDNIRPAL
 YGSEYDARVV SRFAEGDPVS TRIVGSHCES GDILINDEIY PSDITSGDFL ALAATGAYCY
 AMSSRYNAFT RPAVSVVRAG SSRLMLRRET LDDILSLEA

> RXA00974 (1-393, translated) 131 residues
 MTSASAPSFN PGKPGPSAVG IALLGFGTVG TEVMRLMTEY GDELAHRIGG PLEV RGIAVS
 DISKPREGVA PELLTEDAFA LIEREDVDIV VEVIGGIEYP REVVLAALKA GKS VVTANKA
 LVAAHSAELA D

> RXA00981 (1-630, translated) 210 residues
 MSENLPAPEN LLDAERIQMI KNFRNELTGF MLNYQFGIDE ILTKINILKT EFSQLHEYAP
 IEHVSSRLKT PESIVKKVIR KGDELSLAAI KDTVFDIAGI RIVCSFLKDA YAIADMLTNQ
 KDVTVIEAKD YIANPKPNGY KSLHLILQVP VFLSNSVEKV NVEVQIRTIA MDFWASLEHK
 IYYKFEQEVQ QSILDELSED GKNPRGSEVT

> RXA00989 (1-1533, translated) 511 residues
 GIGLVANNDG IFDSENDIT VGDVTLGETG LSLPIDLAGE VEAPASEEIT QEDLLRLAQV
 EAELDQRWLE TKIDPTFRM SYMMDLMGQP QNSFPAIHVA GTNGKTSTTR MIESLLRAFH

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RRTGRTTSPH LQLVTERIAI DGKPIHPRDF VRIYEEIKPY MEMTDAWSEA EGGPKMSKFE
ALVALAYAGF ADAPVDVAVV EVGLGGRWDA TNVINAASVS ITPVGMHDVD RLNGTIGEIA
GEKAGIIKAR PASEDGTEPE GNVVIVGKQE PEAMNVILQQ AVDVDAAVAR LNMEFGVVES
AIAVGGQQLT LKGLGGEYTD IFLPLSGAHQ ADNAAVALAA VEAFFGASAG RPLDIDTVRE
GFAQVQSPGR LERLRSAPT V FIDAAHNPFG AAALGAALDR DFEFRRLIGV IGVLCDDKAR
GILESLEPYL HEIVCTQTAS ERALDAYDLA EYAREIYGDE RVHVQEDLAG AVELAIELAE
DTDVQSGSGV VITGSIVTAG DARTLFGKEP A
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> RXA00997 (1-582, translated) 194 residues
MTTWKELTDN NPAHSENYAQ RWRNLAAAGN DIYGEARLID AMAPRGAKIL DAGCGQGRIG
GYLSKQGHVD LGTDLDPILI DYAKQDFPEA RWVVGDLSD QISETDFDLI VSAGNVMGFL
AEDGREPALA NIHRALGADG RAVIGFGAGR GWVFGDFLEV AERVGLELEN AFESWDLKPF
VQGSEFLVAV FTKK
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> RXA01009 (1-1230, translated) 410 residues
LALKGYTNFD GEFIEFGSVQ AKEEEKRAFD NDRAHVHFSW SAQDKISPKV WAAAEGSTLY
DFDGNFIDM GSQLVSANLG HNNPRLVEAI QRQAARLTNI NPAFGNDVRS DVAAKIVSMA
RGEFSHVFFT NGGADAIHS IRMARLHTGR NKILSAYRSY HGATGSAMML TGEHRRLGPN
TTDPDIYHFW APFLHSSFF ATTQEEECER ALKHLEDVIA FEGAGMIAAI VLEPVVGSSG
IILPPAGYLN GVRELCNKHG ILFIADVMV GFGRTGKLFA YEHAGDDFQP DMITFAKGVN
AGYAPLGGIV MTQSIRDTEG SEAYSGGLTY SGHPLAVAPA KAALEIYAEG EIIPRVARLG
AELIEPRLRE LAENVAIAD VRGIGFFWAV EFNADATAMA AGAAEFKERG
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> RXA01019 (1-990, translated) 330 residues
TLAHSLSFPD SLRDGPTVGD LGEFEVIRVI TEQAGSSSLNG DDAAVLRHAS PNSRAVVTTD
MLVAGRHFQL DWSTPEQIGQ KAIVQNFADI EAMGARPVAA LLAISAPHT PVEFVRGLAR
GMNQRLLEYS AELVGGDITS GDLSVIAVTA IGQLGGSLE LTLGRARPGQ TLVAHGKIGY
SAAGLALLQH FGPDNVPEHL RPLVDAHCA VLTTPGRGMVA RAAGATAMTD NSDGLIVDLN
QMAMKSGVRI DVDSCSISPD ELLSEAASVL GTDAWRWILS GGEDHTLLST TFGDAPSGFR
TIGQVTKTRH EDLVTVDKKT PAFSDGWRSE
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> RXA01024 (1-657, translated) 219 residues
MANKNNKPHE VDKDQDSAML INGRQQIPA RPTTEFTRPT LAAGAVLWRG DITNPDSEIV
AVIHRPHYDD WSLAKGKVD GESIPTTAAR EILEETGYDI RLGLKIGKVT YPVLDRTKVV
YYWTAQVLGG EFVPNDEVDE IRWLSVDEAC ELLSYQVDTE VLAKAAKRFR TPSTTRVLYV
RHAHAHGRQT WGGDDNKRPL DKKGRRQAEM LVPMLLPFK
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> RXA01026 (1-1602, translated) 534 residues
VWRDHVVSKE ENGEPLLII DLQLLHEVTS PQAFDGLRMT GRKLRHPELH LATEDHNVPT
EGIKTGSLLI INDKISRLQV STLRDNCEEF GVRLHPMGDV RQGIHVTVGP QLQATQPGMT
IVCGDSHTST HGAFGSMAFG IGTSEVEHVM ATQTLPLKPF KTMAIEVTGE LQPGVSSKDL
ILAIIAKIGT GGGQGYVLEY RGEAIRKMSM DARMTMCNMS IEAGARAGMI APDQTTFDYV
EGREMAPKGA DWDEAVAYWK TLPTDEGAT DKVVEIDGSA LTPFITWGTN PGQGLPLGES
VSPPEFTND NDKAAAEKAL QYMDLVPGTP LRDIKIDTVF LGSCTNARIE DLQIAADILK
GHKIADGMRM MVVPSSTWIK QEAEALGLDK IFTDAGAEWR TAGCSMCLGM NPDQLKPGER
SAFTSNRNFE GRQGPGRTH LVSPAVAAAT ESADPVLTCR YLRKARKQWK NLPPTPALAF
HCSDPWTPT RSSQPSTSSA SPGPASKTDC FPTGAKTTPT LSSTPTPTRT APFS
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> RXA01027 (1-234, translated) 78 residues
TDPEACKKRF TDVVAQGGVP MIVGQGDII EMIKWFSNG TLPIDEKIKI KKGSVVLSF
HDGVFTGADY LASSLPVK
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> RXA01073 (1-831, translated) 277 residues
MTNTQTEIIN ELKVSPAIDV AKEVEFRVQF LVDYLRASHT KGFVLGISGG QDSTLAGRLT
QLAVERIRAE ENSTDYVFYA VRLPYAIQAD EDDAQVALEF IAPDKSVTVN VKDATDATEA
TVAAALELPE LTDFNRGNIK ARQRMVAQYA IAGQLGLLVI GTDHAAENV GFFTKFGDGA
ADLLPLAGLS KRQGAAILH LGAPSSTWTK VPTADLEEDR PALPDEEALG VSYADIDNYL
ENKPDVSEKA QQRIEHLWKV QGHKRHLPAT PQENWWR
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> RXA01079 (1-690, translated) 230 residues
MDFHALNALL NLYDDNGKIQ FEKDREANQ YFLQHVNQNT VFFHNLQEKI DYLVENKYYD
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PIVLDKYDFQ FIKDLFKRAY GFKFRFQSFL GAYKYYTSYT LKTFDGRRYL ERFEDRVCMV
ALTLADGDRA LAENLVDEIM SGRFQPATPT FLNSGKAQRG EPVSCFLLRI EDNMESIGRS
INSALQLSKR GGGVALLLSN LREAGAPIKK IEIQSSGVIP VMKLLEDAFS

> RXA01080 (1-444, translated) 148 residues
MLIVYFSSAT DNTHRFVQKL DLPNVRIPLT RVEEPLKINE PYVLITPTYG GGVSMTGENS
RPVPPQVIRF LNDEHNRSFI RAVVAGGNSN FGSDFGLAGE IISKCKVPY VYRFELMGNE
EDVSILRGGL TQNAQALGLE PQEPVTSR

> RXA01084 (1-1341, translated) 447 residues
SFLDTKRENA DEKIRIKTSL LGVVIPDITF ELAKRNDDMY LFSPYDVERI YGKPFADVSI
TEHYDEMVD DRIKTKINA RQFFQTLAEI QFESGYPYIM YEDTVNASNP IEGRITHSNL
CSEILQVSTP SEFNDDLTYA EVGEDISCNL GSLNVAMAMD APNFEKTXET EIRGLTAVXE
QTSIDSVPSI RKGNEAAHAI GLGQMNHLGY FGREHMHYGS EEALDFTNAY FAAVLYQCLR
ASNQIATERG ERFKNFENSK YATGEYFDDF DANDFAPKSD KVKELFAKSN IHTPTVEDWA
ALKADVMEHG LFNRLQAVP PTGSISYINN STSSIHPIAS KIEIRKEGKI GRVYYPAPHM
DNDNLEYFED AYEIGYEKII DTYAVATKYV DQGLSLTLFF KDTATTRDIN RAQIYAWRKG
IKTLYYIRLR QVALEGTEVD GCVSCML

> RXA01087 (1-876, translated) 292 residues
MQTLAAIVRA TKQPFIEITI DLDAPRPDEV QIRVIAAGVR HTDAIVRDQI YPTFLPAVFG
HEGAGVVAV GSAVTSVKPD DKVVLGFNSC GQCLKCLGGK PAYCEKFYDR NFACTRDAGH
TTLETRATKE QAEAIIDTLD DVFYDADAGF LAYPATPPEA SGVSVLVVAA GTSDLPQAKE
ALHTASYLGR STSLIVDFGV AGIHRLLSYE EELRAAGVLI VAAGMDGALP GVVAGLV SAP
VVALPTSVGY GAGAGGIAPL LTMLNACAPG VGVVNIDNGY GAGHLAAQIA AR

> RXA01095 (1-783, translated) 261 residues
MVATENRMLM EIAAEISARE ATLGFEQVKT KRSRAGLTAA FDIASVFFSS GCNVVAVFDR
FASNWDHSD HVDYAAQVAG FGASMLAYTV RRGQFDTAVR DIRDIKSEVD IPILLHDPPI
DPYQIHEARV MGIDALQFPV WAMEQARLES LVDRTESLGM TAIVSVRNHE EAHRAVDAGA
TVVAIDITGY TGSLLTPEAF SGITQFMPKE VARIVLGGCS SPKELMR FAR HSADAI FVPH
ADLATTKSLV TAGMHPACPS R

> RXA01097 (1-354, translated) 118 residues
MSDNPQEYEL DWDVEKRLKL NDAGLVPAIV QADGTNEVLM MAWMDTHALA YTLATTRGTY
FSRSRNEYWI KGLTSGNVQE VTGLALDCDG DTVLLTVKQT GGACHTGAHT CFDNDVLL

> RXA01098 (1-774, translated) 258 residues
MGVAIRVIP LDVDNGRVVK GVN FENLRDA GDPVELAKRY DEEGADELTF LDVTASKHGR
GTMLDVVRT ADQVFIPLTV GGGVRSEEDV DQLLRAGADK VSVNTSAIAR PELLSELSKR
FGAQCIIVLS DARRVPEGGT PQPSGFEVTT HGGSKSAELD AIEWAKR GEE LGVGEILLNS
MDGDGTKNGF DLELLEKVR AVSIPVIASG GAGKAEHFPP AVAAGANAVL AATIFHFREV
TIAEVKGAIK DAGFEVRK

> RXA01100 (1-738, translated) 246 residues
MTFTILPAVD VVNGQAVRLD QGEAGTEKSY GTPLESALKW QEQGA KWLHF VDLDAAFNRG
SNHEMMAEIV GKLDVDVELT GGIRDDESLE RALATGARRV NIGTAALEKP EWIASAIQRY
GEKIAVDIAV RLEDGEWRTR GNGWVSDGGD LWEVLERLDS QGCARFVVD VSKDGTLSGP
NVELLEVAATD APIVASG GISVLEDVLE LAKYQDEGID SVIIGKALYE HKFTLEEALA
AVEKLG

> RXA01101 (1-633, translated) 211 residues
MTKTVALLDY GSGNLRSAQR ALERAGAEVI VSSDPEVCTN ADGLLVPGVG AFDACMKGLK
NVFGHRIIGQ RLAGGRPVMG ICVGMQILFD EGDEHGIKSA GCGEWP GKVE RLQAEILPHM
GWNTLEMPN SPMFEGISPD ERFYFVHSYG VRKWTLETDD LTTPPEVVWA KHENDRFVAA
VENGT LWATQ FHPEKSGDAG AQLLRNWINY I

> RXA01104 (1-606, translated) 202 residues
MTVAPRIGTA TRTTSESDIT VEINLDGTGK VDIDTGLPFF DHMLTAFGVH GSFDLKVHAK
GDIEIDAHT VEDTAIVLGQ ALLDAIGDKK GIRRFASCQL PMDEALVESV VDISGRPYFV
ISGEPDHMIT SVIGGHYATV INEHFFETLA LNSRITLHVI CHYGRDPHHI TEAEYKAVAR

ALRGAVEMDP RQTGIPSTKG AL

> RXA01105 (1-1098, translated) 366 residues

MTKITLSLDP LREELRGEHA YGAPQLNVDI RLNTNENPYP PSEALVADLV ATVDKIATEL
NRYPERDAVE LRDELAAYIT KQTGVAVTRD NLWAANGSNE ILQQLLQAFG GPGR TALGFQ
PSYSMPHILA KGTHTEFIAV SRGADFRIDM DVALEEIRAK QPDIVFVTPP NNPTGDVTSI
DDVERIINVA PGIVIVDEAY AEFSPSPSAT TLLEKYPTKL VVSRTMSKAF DFAGGRLGYF
VANPAFIDAV MLVRLPYHLS ALSQAAAIVA LRHSADTLGT VEKLSVERVR VAARLEELGY
AVVPSESNFV FFGDFSDQHA AWQAFLDRGV LIRDVGIAGH LRTTIGVPEE NDAFLDAAAE
IIKLNL

> RXA01106 (1-1326, translated) 442 residues

MLNVTDLRGQ TPSKSDIRRA LPRGGTDVWS VLPVQPVVE DVQNRGAEEA LDYGEKFDHI
RPASVRVPAE VIAAAENTLD PLVRESIEES IRRVRKVHAE QKPSEHTTEL SPGGTVTERF
MPIDRVGLYV PGGNAVYPSS VIMNTVPAQE AGVNSLVVAS PPQAEHGGWP HPTILAACSI
LGVDEVWAVG GGQAVALLAY GDDAAGLEPV DMITGPGNIF VTAARKRLVRG VVGTDSEAGP
TEIAVLADAS ANAVNVAYDL ISQAEHDVMA ASVLITDSEQ LAKDVNREIE ARYSITRNAE
RVAEALRGAQ SGIVLVDDIS VGIQVADQYA AEHLEIHTEA ARAVAEQITN AGAIFVGDFFS
PVPLGDYSAG SNHVLPTSGS ARFSAGLSTH TFLRPVNLIE YDEAALKDVS QVVINFANAE
DLPAGGEAIR ARFENLPTTD EA

> RXA01132 (1-303, translated) 101 residues

MKLAVIGGDG IGPEVTAEAL KVLNAVRDDI ETTDYDLGAR RYLKNGELLT DEDLASLREH
DAILLGAIGA PGSVPPGILE RGLLLKMRFA LDHHVNLRPS K

> RXA01145 (1-456, translated) 152 residues

MAIELLYDAD ADLSLIQGRK VAIVGYGSQG HAHSQNLKRS GVEVVIGLRE GSKSAEKAKE
AGFEVKTAE AAWADVIML LAPDTSQAEI FTNDIEPNLN AGDALLFGHG LNIHFDLIK
ADDIIVGMVA PKGPGHLVRR QFVDGKGVPC LI

> RXA01162 (1-1245, translated) 415 residues

MYIVGICLQL VVMSQPMASAP DSAPGTERGH ERTHFAVVD SODPAQATAP RAPAESITLI
GIGTDGFEGL GLKAQQALQR ASVVIGSWRQ LNLVPDAIKA ERRPWPNGTK HPDLDALEKE
FLGRHVAVLA SGDPLFYGVG TAMVHVLGMD RLTVIPGPSS ASLACARLGW TVNRTRVVYL
GQEPITLIP IIESGAQFLV LGKDEFSTAQ VATLLNELGL GETPLTVLSD LGSTDEEITQ
GTASHPPAAV SVLNVIIVGA RTAMPKPHFE GDVSNEEDLRA LTVAALEPTQ GQMLWTFGDI
GAALACDWLR AAGNKAHAIS FASMVEQSQR NARKLGVSTL SVKETLSPKT LKDIRYVQGP
ESASPHAIFM NKGLGIDLVP ETAWMMMLRPG GKLIQAQASTE DNIAKLHTLQ EQHGG

> RXA01208 (1-804, translated) 268 residues

VANSFLDSLTL LVRQNTPLVQ CLTNSVVMQF TANVLLAAGA TPAMVDTPAE SAEFAAVANG
VLINAGTPSA EQYQGMTKAI EGARKAGTPW VLDPVAVGGL SERTKYAEGI VDKQPAAIRG
NASEVVALAG LGAGGRGVDA TDSVEVALEA AQLLAKRTGG VVAVSGAEDL IVSADRVTWL
RSGDPMQLV IGTGCSLGLA TAAYLGATVD SDISAHDAVL AAHAHVGAAG QIAAQKASAP
GSFAVAFIDA LYDVDAQAVA SLVDVREA

> RXA01209 (1-1428, translated) 476 residues

MCERPEKYVT DFSLYLVTDV VLGGGPKKVA GIVDSAISGG VSVVQLRDNK SGVEDVRAAA
KELKELCDAR GVALVNDYL DIAVELGLHL HIGQGDTPYT QARELLPAHL ELGLSIENLD
QLHAVIAQCA ETGVALPDVI GIGPVASTAT KPDAAPALGV EGIAEIAAVA QDHGASVAI
GGVGLRNAAE LAATPIDGLC VVSEIMTAAN PAAAATRLRT AFQPTFSPET QTELSQTELQ
GAFVNSPSAP RVLSIAGTDP TGGAGIQADL KSIAAGGGYG MCVVTSLSVAQ NTHGVNTIHT
PPLTFLEEQL EAVFSDVTVD AIKLGMLGSA DTVDLVASWL GSHEHGPVVL DPVMIATSGD
RLLDASAEES LRLAVHVDV VTPNIPELAV LCDSAPAITM DEAIQAQGF ARTHDTIVIV
KGGHLTGALA DNAVVRPDGS VFQVENLRVN TTNSHGTGCS LSASLATKIA AGESVE

> RXA01215 (1-975, translated) 325 residues

MTAHWKQNK NLMLFSGRAH PELAEAVAKE LDVNVTPMTA RDFANGEIYV RFEESVRGSD
CFVLQSHQTP LNKWLMEQLL MIDALKRGS KRTAILPFY PYARQDKKHR GREPISARLI
ADMLTAGAD RIVSVDLHTD QIQGFDFGPV DHMHAMPILT DHIKENYNLD NICVVSPDAG
RVKVAEKWAN TLGDAPMAFV HKTRSTEVAN QVVANRVVGD VDGKDCVLLD DMIDTGCTIA

GAVGVLKKAG AKSVVIACHT GVFSDFPARER LSACGAEEVI TDTLPQSTE GWSNLTVLSI
APLLARTINE IFENGSVTTL FEGEA

> RXA01239 (1-2433, translated) 811 residues
MARPI SATYR LQMRGPQADS AGRSFGFAQA KAQLPYLKKL GISHLYLSPI FTAMPDSNHG
YDVIDPTTIN EELGGMEGLR DLAAATHELG MGIIIDIVPN HLGVAVPHLN PWWWDVLKNG
KDSAFEYFD IDWHEDNGSG GKLGMPI LGA EGDEKLEFA ELDGEKVLKY FDHLFPPIAPG
TEEGTPQEVY KRQHYRLQFW RDGVINFRFF FSVNTLAGIR QEDPLVFEHT HRLRLRELVAE
DLIDGVRVDH PDGLSDPFGY LHRLRDLIGP DRWLIIEKIL SVDEPLDPRL AVDGTGTYDA
LRELDGVFIS RESEDKFSML ALTHSGSTWD ERALKSTEEES LKRVVAQQEL AAELRLARA
MRRDNFSTAG TNVTEDKLSE TIIELVAAMP VYRADIYISLS RTTATVIAEM SKRFPSRRDA
LDLIAAALLG NGEAKIRFAQ VCGAVMAKGV EDTTFYRASR LVALQEVGGA PGRFGVSAAE
FHLLQEERSL LWPRTMTTSL THDTKRGET RARIISLSEV PDMYSELVNR VFAVLPA PDG
ATGSFLLQNL LGVWPADGVI TDALRDRFRE YALKAIREAS TKTTWVDPNE SFEAAVCDWV
EALFDGPSTS LITEFVSHIN RGSVQISLGR KLLQMVGAGI PDTYQGTEFL EDSLVDPDNR
RFVDYTAREQ VLERLQTDW TQVNSVEDLV DNADIAKMAV VHKSLELRAE FRASFVGGDH
QAVFGEGRAE SHIMGIARGT DRNHLNIIAL ATRRPLIED RGGWYDTT VT LPGAQWEDRL
TGQRFSGVVP ATDLFSLPV SLLVLVPDSE F

> RXA01253 (1-750, translated) 250 residues
MTTLNIGLIL PDVLGTYGDD GNALVLRQRA RMRGINAEIQ RVTLD DAVPS TLDLYCLGGG
EDTAQILATE HLT KDGLQT AAAAGRPIFA VCAGLQVLGD SFRAAGRVID GLGLIDATTV
SLQKRAIGEV ETTPTTRAGFT AELTERLTGF ENHMGATLLG PD AEPLGRVV RGE GNTD VWA
ASENTDDQ RQ QFAEGAVQGS IIATYMHGPA LARNPQLADL MLAKAMGVAL KDLEPLDIDV
IDRLRAERLA

> RXA01321 (1-537, translated) 179 residues
VAENDYPMEV VAVVGNHENL RYIAENHNVP FFHVPPFKDA VGKRKA FDQV AEIVNGYDPD
AIVLARFMQI LPPDLCEMWA GRVLNIHHSF LPSFMGARPY HQAYS RGVKL IGATCHYATG
DLDDGP IIEQ DVIRVTHKDT PTEMQRLGRD AEKQVLARGL RFHLEDRVLV YGNRTVVFD

> RXA01352 (1-606, translated) 202 residues
VFENRFDLRC YVVTGAGSVD EVVHTASAAA RGGAGVVQVR SKPISPEAMR ELASKVALEV
ARCSPTTRVL IDDLHLVASS LMREGLPIHG VHLGQDDMSV LEARELLGPE AIIGLTTGTL
ELVAAANELS DVL DYIGAGP FRKTPTKDSG RPPIGLAGYP PLVELSKVPI VAIGDVTPAD
VRALSATGVA GVAMVRAFSE SD

> RXA01360 (1-159, translated) 53 residues
MLHIADKTFD SHLIMGTGGA TSQALLEESL VASGTQLTTV AMRRHQATTS SGE

> RXA01361 (1-606, translated) 202 residues
ADAVISIDGH DPCLTVTMNS GVRVASKSVV VLAAGLGAAS IPGWFE GANP LQLRPVY GDI
VRVRVPERLQ PMVTKVVRGF VEDRQIYIIP RTDGT LAIGA TSREDHPQPR TGAVHDL LRD
AIRLIPGIEE TEFIEVTCGA RPGTPDDL PY LGWVGSNVIA STGYFRHGIL LSALGARA AV
DMATNQPLFP TLDVCDPFRH QI

> RXA01371 (1-1296, translated) 432 residues
MAQVMDFKVA DLSLAEAGRH QIRLA EYEMP GLMQLRKEFA DEQPLKGARI AGSIHMTVQT
AVLIETLTAL GAEVRWASCN IFSTQDEAAA AIVVGS GTVE EPAGVPVFAW KGESLEEYWW
CINQIFSWGD ELPNMILDDG GDA TMVIRG REYEQAGLVP PAEANDSDEY IAFLGMLREV
LAAEPGKWKI IAEAVKGVTE ETTTG VHRLY HFAEEGVLPF PAMNVNDAVT KSKFDNKYGT
RHSLIDGINR ATDMLMGKN VLVCGYGDVG KGCAEAFDGQ GARVKVTEAD PINALQALMD
GYSVVTVDEA IEDADIVITA TGNKDIISFE QMLKMKDHAL LGNIGHFDNE IDMHSLLHRD
DVTRTTIKPQ VDEFTFSTGR SIIVLSEGR LNLGNATGHP SFVMSNSFAD QTIAQIELFQ
NEGQYENEVY RL

> RXA01381 (1-921, translated) 307 residues
SAGVGTITVI DDDTVDISNI HRQILFGASD VGRPKVEVAA ERLKELQ PDI TVNALHERIT
PENACELLNS VDLVLDGSDS FSTKYLVS DA AEITGTPLIW ATVLRFHGEL ALFNSGPDHR
GVGLRDV FPE QPSADFPDC ATAGVLGATT ATIGALMATH AIGFLTEIGD VQPGTILSYD
AFPAATRSFR VSADPARPLV TRLRAS YEAA RTDTTSLIDA TLNGSLTALD IREPHEVLLK

DLPEGATSLK LPLSQITSDS DILEALSGID GDILVYCASG IRSSDFIDNY SHLGHKFVNL
PGGVNAL

> RXA01393 (1-870, translated) 290 residues
MNPIQLDTLL SIIDEGSFEG ASLALSISPS AVSQRVKALE HHVGRVLVSR TQPAKATEAG
EVLVQAARKM VLLQAETKAQ LSGRLAEIPL TIAINADSLS TWFPVPFNEV ASWGATLTL
RLEDEAHTLS LLRRGDVLGA VTREANPVAG CEVVELGTMR HLAIATPSLR DAYMVDGKLD
WAAMPVLRFG PKDVLQDRDL DGRVDGPVGR RRVSIIVPSAE GFGEAIRRGL GWGLLPETQA
APMLKAGEVI LLDEIPIDTP MYWQRWRLES RSLARLTDAV VDAAIEGLRP

> RXA01394 (1-699, translated) 233 residues
MEIFITGLLL GASLLLSIGP QNVLVIKQGI KREGLIAVLL VCLISDVFLF IAGTLGVDLL
SNAAPIVLDI MRWGGIAYLL WFAVMAAKDA MTNKVEAPQI IEETEPTVPD DTPLGGSABA
TDTRNRVRVE VSVDKQVRVW KPMLMAIVLT WLNPNAYLDA FVFIGGVGAQ YGDTGRWIFA
AGAFASLIW FPLVGFGAAA LSRPLSSPKV WRWINVVAV VMTALAIKLM LMG

> RXA01416 (1-630, translated) 210 residues
AGASENVVNR VKDGAPAPTE KIVSDGLEAA KPFIDILCRA QEGLAQRVGN AAKEFFPLFPP
YTDEVYSAVE RKVSKKLASL LTLKAKQERD DATNAYMEEI EAELLPKFEA SYSSAAEASK
EIRAGYNAVM KAIVRRMILT DHFRIDGRGV TDIRDLAVEV ELIPRAHGSS LFERGETQIL
GVTTLDMLKM EQQIDSLAPG DAKRYMHYHN

> RXA01442 (1-1224, translated) 408 residues
MYIPESIGTP LTPNATKVML LGSGELGKEV AIAFQRLGLE VHAVDRYEHA PAHQVAHFSY
VIDMTDAAQV RELVERVRPD FVIPEIEALA TDELVKIEEE GLATIVPTAR AAKLTMNREG
IRKLAEEELG LPTSNEYFCS TFEEFSAAAE KLGYPNVVKP VMSSSGKGQS VLRSSDDLQA
AWDYAMSGAR VANSRVIVEA FVEFDYEITL LTVRSIDPTT SKPATWFCEP IGHRQEDGDY
VESWQPMEMT PRALENARSV AARITNALGG RGVFGVELFV SGDDVYFSEV SPRPHDTGLV
TLATQRFSEF ELHAKAILGL PVDVTLISPG ASAVIYGGIE SEGVSYTGLA EALAVAETDL
RIFAKPEAFT KRRMGVAVST AEDVAAAARDR ATLAAAAIKV HPGNSAEA

> RXA01446 (1-1290, translated) 430 residues
MAAIVIVGAQ WGDEGKGKAT DILGGLVDYV VKPNGGNNAG HTVVVGGEKY ELKLLPAGVL
SETATPILGN GVINLEALF EEIDGLEARG ADASRLRISA NAHLVAPYHQ VMDRVQERFL
GKRAIGTTGR GIGPTYADKV SRVGIRVQDI FDESILRQKV ESALDYKNQV LVKMYNRKAI
VAEEIVQYFL SYADRLRPMV IDATLVLNEA LDQGKHVLMG GGQATMLDVD HGTYPFVTSS
NPTAGGASVG SGIGPTKITS SLGIIKAYTT RVGAGPFPTL LFDKWGEYLQ TVGGEVGVNT
GRKRRRCGWYD SVIARYASRV NGFTDYFLTK LDVLTGIGEI PICVAYDVDG VRHDEMPLTQ
SEFHHATPIF ETMPAWDEDI TDCKTFEDLP QKAQDYVRRL EELSGARFSY IGVGPGRDQT
IVLHVDVLADN

> RXA01483 (1-1272, translated) 424 residues
MYPYSDADAF RRQPERAKSS QLRTSAVDTR SAFARDRARV LHSALRRLA DKTQVVGPNP
GDTPTRLTH SLEVAQIARG IGAGLDLDPD LCDLAGLCHD IGHPYGHNG ENALNEVAAA
CGGFEGNAQT LRILTRLEPK IVSDEGESFG LNLSRAALDA ACKYPWAKTN ADGSVNKKYS
AYDEDAEILA WIRQGHEDLR PPIEAQVMDF SDDIAYSVHD VEDGIVSGRI DLKVLWDLVE
LAALADKGAA AFGGSPAELI EGAASLREL VVAAAADDFD SLRSYAALKA MTSELVGRYV
GSTIESTKKT HAGIDVGRMH GDLIIPETAA SEVKLLKTLA VLYVMDDPGH LARQNRQRDR
IFRVFDYLV L GAPGSLDPY RQWFIEADSE SEQIRVIVDQ IASMTESRL RLARNAADIS
GFLG

> RXA01486 (1-657, translated) 219 residues
MSDVKDFEDT EFGLIEAVAT IDNGDFGTRT IRFETGQLAR QADGAVTTYL DDDTMLLAT
TASNQPREGF DFFPLTVDE ERMYAAGRIP GSFFRREGRP STEAILACRL IDRPLRPTFV
KGLRNEVQIV VTMMSNPED YYDVVAINGA SAATRISGLP VSGAVGGVRM ALVGDEKHPE
GQWVAFPTHA QHEQSVFEIV VAGRLVERKR GNKTFSDVA

> RXA01489 (1-1023, translated) 341 residues
VDIWSGLDSV PADLQGSVVT IGVFDDLHRG HQSLIGEAKK QAEELGVPCV MVTDFPHPIA
VFLPGKEPTR LAPLDYRLNL AAECGVDAAL VIDFTKELAG LSAEEYFTTM IVDTLHARSV
VVGENTFTGV NGAGTESTMR ELGQKFGVNV TIAPLLHDDD QRICSTLVRD YLDQGEVERA

NWALGRRYAV RGEVVRGAGR GGKELGYPTA NLYLPTSVAL PADGVYAGWF TITDDREIDK
EISRDIDGTM VPGVRYQTAI SVGTNPTFGD ERRSVEAFIL DQEADLYGHH VMVEFVGHLLR
DMVKFNGVDE LLDAMARDVT NARDILAKDK LLLDADTQPS A

> RXA01491 (1-651, translated) 217 residues
MLDESLFPNS AKFSFIKTGD AVNLDHFHQL HPLEKALVAH SVDIRKAEFG DARWCAHQAL
QALGRDSGDP ILRGERGMPL WPSSVSGSLT HTDGFRAAVV APRLLVRSMG LDAEPAEPLP
KDVLSGIARV GEIPQLKRLE EQGVHCADRL LFCAKEATYK AWFPLTHRWL GFEQAEIDLR
DDGTFVSYLL VRPTVPVFIS GKWVLRDGYV IAATAVT

> RXA01508 (1-1539, translated) 513 residues
MSDLGPiWRW LLLVSVSICA ASGLVYELAL VSLSTSLNGG GIVETSLIVA GYVAALGLGA
LLVKPFLNWP AQTFLGVETL LGLIGGCSAL VLYFTFATIG QSLWILVIAT AAIGILVGAE
LPLMTMIQQ GRLADAKTTG SLVATLNAAD YLGALLGGLA WPFVLLPWLG MMRGAAAAGM
INLVAALFVG CVLLRHLLPR THFFVSVVAL LLAI AALATV LVKSDGIVAT ARAQLYRDPV
IYSHQSDYQD IVVTERGKDR RLYLNGGLQY STRDQHRYTE SLVYPSLNPE AESVLIIGGG
DGLAARELLR FPSMQITQVE LDPEVIEVAN TVLRSDNGGA MEDPRVSIIV DDAFTWLRSG
GNNGETYDSI IIDLPDPNND TMARLYSEEF YTLARARLNE QGRMVVQSSS AYTTDPVFWR
VGATLKSAGC EQVIPYHVHV PTFGDWGFQL CGPADMELEL REDTPPLTFL NDEV LVAAGV
FGLDNQPREL EPSTLDHPRV VEDLRKGYRE SGD

> RXA01512 (1-600, translated) 200 residues
MSNNVEMADH KDLNVPANPY GTDIESVLIS EEKCLKQRIAE MAKRVSEEFK DAEEDLILVC
VLKGAIFYLA DFRMLDIPT QSEFMAVSSY GNSTSSSGVV RILKDLDEI EGRDVLIVED
IIDSGLTSLW LMRNLKNNP KSLNVITLLR KPERLTNNID MFDIGFDIPN EFVVG YGLDF
AERYRDLPYV GTLEPHVYS

> RXA01514 (1-588, translated) 196 residues
VDNHAHVREF DEERATAAIR ELLIAVGEDP DREGLLETPA RVARAYKETF AGLHEDPTTV
LEKTFSEGHE ELVLVREIPI YSMCEHHLVP FFGVAHIGYI PGKSGKVTGL SKLARLADMF
AKRPQVQERL TSQIADALVE KLDAQAVAVV IEAEHLCMAM RGIRKPGAVT TTSAVRGGFK
NNAASRAEVF SLIRGH

> RXA01515 (1-852, translated) 284 residues
MNVSSLTIPG RCLVMGIVNV TEDSFSDGGK YIDVDQIAIAH AKELVAAGAD MIDVGGESTR
PGAVRVDASV ERDRVVPVIK ALHDAGIHTS VDTMRASVAQ AAAGAGVSMI NDVSGGLADP
EMFSVMAEAQ IPVCLMHVRT LQFGDAAGQA DHGGDVVADV HAVLDDLVAR ATAAGVAENQ
IVLDPGLGFA KSREDNWRL QALPEFISGP FPILVGASRK RFLAGVRKDR GLDVTPIDAD
PATAAVTAVS AHMGAWGVRV HDVPVSRDAV DVAALWRS GG THHG

> RXA01516 (1-390, translated) 130 residues
MADRIELKGL ECFGHG VFD FEKEQGQPF I VDVTCWMDFD AAGASDDLSD TVDYGALALL
VAEIVEGPSR DLIETVATES ADAVMAKFDA LHAVEVTIHK PKAPIPTFA DVAVVARRSR
KSMAAGRSNA

> RXA01517 (1-477, translated) 159 residues
MHA VLSIGSN MDDRYALLNT VIEEFKDEIV AQSAIYSTPP WGIEDQDEFL NAVLVVEVEE
TPIELLRRGQ KLEEAERVR VRKWGPRTLD VDIVQIIKDG EEILSEDPEL TLPHPWAWQR
AFVLIPWLEA EPDAVLHGTT IAEHVDNLDP TDIEGVTKI

> RXA01521 (1-798, translated) 266 residues
LSFTHGQGRV FDTVEQIRMF GSALRKTKGP VVLVPLGNGL HAGHIALIRA AKRIPGAVVV
VAYAGPESDH ARLREELIDA IFPFNPETLW PHGIRVEVTG GPTLTPQGAE VTKVLGLLGI
TGATDVVLGE KDYELVVLVQ RALNDLHIPV KLHSVPTVRM PDGLAISLRN ISVPEDSRET
ALS LAAALTA GAHSAEHGEA VVKETVTQVL KAAGVTPDYV EIRGLDLGPA PEIGDARLFA
AITLGDVQLH DNVGLPLGIG FKNIEG

> RXA01528 (1-528, translated) 176 residues
VNQAWQQSRL VTSDETSAGG LVVSGLAEEAV NANNEVDLSK IYVALIGRLD RRGRLWSMP
KGHVEPEGEDK AATAEREVWE ETGIHGEVFT ELGVIDYWFV SEGKRIHKT V HHLLRYVDG
DLNDEPEVT EVAWIPANQL IEHLAFADER KLARQAHDLL PEFALKEKAE GRSTPR

> RXA01551 (1-1875, translated) 625 residues
 LKAVPTGARA RAEIALIAAR APFEPVRLAP AKEERNGAMT PTQNEIHPKH SYSPIRKDG
 EVPETEIRLD DSPSGPNEPF RIYRTRGPET NPKQGLPRLR ESWITARGDV ATYQGRERLL
 IDDGRSAMRR GQASAEWKQ KPAFLKALPG KRVTQMAYAR AGVITREMEF VALREHVDAE
 FVRSEVARGR AIIPNNVNHPI ESEPMIIGRK FLTGINANIG NSAVTSSIEE EVSKLQWATR
 WGADTVMDLS TGDDIHTTRE WIIRNSPVPI GTVPIYQALE KVNQVAADLN WEVFRDTIE
 QCEQGVDMYT IHAGVLLAYI PLTTRRVGTI VSRGGSIMAG WCLAHHRESF LYEHFDELCE
 IFAQYDVAFS LGDGLRPGSL ADANDAAQFA ELKTIGELTQ RAWEDVQVM VEGPGHVPLN
 MIQENNELEQ KWAADAPFYT LGPLVTDIAP GYDHITSAG AAHIAMGGTA MLCYVTPKEH
 LGLPNRDDVK TGVITYKLAA HAADVAKGHP GARAWDDAMS KARFEFRWND QFALSDDPDT
 AIAYHDETLP AEPKTAHFC SMCGPKFCM RISQDIRDMF GDQIAELGMP GVGDSSSAVA
 SSGAREGMAE KSREFIAGGA EVYRR

> RXA01561 (1-930, translated) 310 residues
 MLTLNDVITA QORTAPHVRR TPLFEADPID GTQIWIKAEF LQKCGVFKTR GAFNRQLAAS
 ENGLLDPTVG IVAASGGNAG LANAFAAASL SVPATVLVPE TAPQVKVDRL KQYGATVQOI
 GSEYAEAFEA AQTFESETGA LFCHAYDQPD IAAGAGVIGL EIVEDLPDND TIVVAVGGGG
 LYAGIAAVVA AHDIKVVAVE PSKIPTLHNS LIAGQPVDVN VSGIAADSLG ARQIGREAFD
 IATAHPPIGV LVDDEAIIAA RRHLWDNYRI PAEHGAAAAL ASLTSGAYKP AADEKVAVIV
 CGANTDLTTL

> RXA01599 (1-1662, translated) 554 residues
 MTSSRKVRPT KHIFVTGGVV SSLGKGLTAA SLGQLLIARG LSVTMQKLDP YLNVDPGTMN
 PFEHGEVFVT EDGAETDLDL GHYERFLDRN LGLNANVTG KVYSTVIAKE RRGEYLKKT
 QVIPHITDEI KARILSMGEP DAHGNAPDVV ISEVGGTVGD IESQPFLEAA RQVRHEIGRE
 NCCFIHCSLV PYLATSGELK TKPTQHSVAE LRGIGILPDA LVLRCREVP QGLKDKIAMM
 CDVDYEGVVS CPDSSSIYNI PDVLYREHLD TFIIRRLGLP FRDWDSTWH DLLERVNNPR
 HELTVGIVGK YIDLDPAYLS VVEAVRAAGY ANWTRTNIKW ITSDDCETPS GAMKALSGLD
 AIVVPGGFGI RGIEGKIGAI TFAREHKIPL LGLCLGLQCT VIEAARQAGL EQASSTEFDP
 AATQPVIATM EEQKAASVGE ADLGGTMRLG AYPATLEEGS LVAELYGTTE VSERHRHRYE
 VNNAYRAQIA EGSDLVFSGT SPDGHLVEFV EYPKEVHPYL VATQAHPEYK SRPHTAHPLF
 YGLVKTALEL RVHP

> RXA01617 (1-615, translated) 205 residues
 ANQIEAATAA HDLDVVKIGM LGTPATIDTV ATALEENSFK HVVLDPVLIC KGQEPGAALD
 TDTALRAKVL PQATVVTNN FEATTLISGLD KLETIDDLKE AARLIHQGP QYVVVKGGID
 FPGDNAVDVL FDGTDYHVS EPKIGDERVS GAGCTFAAVI TAEKAGNSA VDAVTTAKRV
 VTRAVKDAVA SNAPFTSVWL AEDNK

> RXA01657 (1-501, translated) 167 residues
 VIVGVLAQGG GVEEHLTALE ALGATTRKVR VPKDLDGLEG IVIPGGESTV LDKLARTFDV
 VEPLANLIRD GLPVFATCAG LIYLAKHLN PARGQOTLAV VDVVVRNAF GAQRESFDTT
 VDVSEFGATF PGVQASFIRA PIVTAFGPTV EAIAALNGGE VVGVRQG

> RXA01660 (1-552, translated) 184 residues
 MSSNSINAEA RAELAELIKE LAVVHGEVTL SSGKKADYYI DVRRATLHAR ASRLIGQLLR
 EATADWDYDA VGGLTLGADP VATAIMHADG RDINAFVVRK EAKKHGMQRR IEGPDLTGKK
 VLVVEDTTTT GNSPLTAVAA LREAGIEVVG VATVVDRTG ADEVIAAEGE PYRSLGLLSD
 LGLN

> RXA01678 (1-528, translated) 176 residues
 MLKCAVDEAA GGRAQAFVSS GDNIGGSPFQ SSILGDEPTL EALNQMGLDY SAVGNHEFDK
 GYADLSSRVA DLADFDYLG NVEGENPDLA PYGISHLDGV KVAFVGTVSQ ETPMLVNSEG
 IEGITFTDPL EATNRVADEL VGSGAADVVV ALYHEGITGT EAWSENIDVV FAGHTH

> RXA01679 (1-1236, translated) 412 residues
 MQSGNYGHAL ADVDFSFNHD TGETLVDDAR MLGVDDINAC ENPDDTIADI VAQAELDAGE
 AGKEVVATID GDFLRASDEG AESGSNYGAE SQLVNMIASA VRWSMSTNTA TTADIGLMNA
 GGLHTDLFSG DVTYAEAFEI QPFGSGDSFV TLKGSVFKDA LDQQWEEGSA RPVAALGVSD
 NVSYTYDINR PIGDRVTSVT IDDTPLDPER DYVVAASLYL QSGNEGMTAL TRGTAPAQTG

IVDVQSTIGY LSNNNVTPT GQAQISITPS GEFNAGETIT LDMAGLRYTQ GDTATEVTVS
LREEIVSAPI DPQLGEAGFG EAGTATVSLD IPATLSGTQN LVVTTDTGTR ISMPVEIVGA
EQPAPQPAGS SVLGTGVLSG LLGIVVGILG MVGLVNWIDP SFIQQIQQQI FA

> RXA01690 (1-1053, translated) 351 residues
PDLRLKEILAA PKFGKFFTDH MVTIDWNESE GWHNAQLVPY APIPMDPATT VFHYGQAIFF
GIKAYRHSDE TIKTFRPDEN AERMQRSAAR MAMPQLPTED FIKALELLVD ADQDWVPEYG
GEASLYLRPF MISTEIGLGV SPADAYKFLV IASPVGAYFT GGIKPVSVWL SEDYVRAAPG
GTGDAKFAGN YAASLLAQSQ AAEKGCDQVV WLDAIEHKYI EEMGGMNLGF IYRNGDQVKL
VTPELSGSLL PGITRKSLLQ VARDLGVEVE ERKITTTWEW EDAKSGAMTE AFACGTAAVI
TPVGTVKSAAH GTFEVNNNEV GEITMKLRET LTGIQQGNVE DQNGWLYPLV G

> RXA01692 (1-750, translated) 250 residues
MTISQENQPI IQPVSLIGGG PGAWDLITVR GMNRLQEADV ILADHLGPTD ELEKLCDISS
KTVVDVSKLP YGRQVTQERT NEMLVEYQQ GLKVVRLKGG DPYVFGRGFE ELEFLGEHGI
ECEVIPGVTS AVSVPAAAGI PITNRGVVHS FTVVSGHLPP GHPKSLVDWA ALAKSGGTLA
IIMGVKNAGA IAQALMDGGL DADTPAAVIQ EGTDDAQRSV RCTLGTLGAV MVEEEIKPPA
VYVIGQVAGL

> RXA01698 (1-990, translated) 330 residues
GNTEWDKWT IMSSDALDME DPDNVAAAMSS GRGAKLTRPR PGHADYAGML KYGFDDARNV
LERSARETA ARVAAATVAR SFLRETGLVE VLSHVISIGA SEPYTGAAPT FADIQAIDDS
PVRAFGKDAE ESMIAEIEAA KKAGDTLGGI VEVIVEGLPI GLGSHISGED RLDAQIAAAL
MGIQAIKGV IGDGFEEARR RGSEAHDEVF LDDNGVYRNT NRAGGLEGGM TNGETLRVRA
GMKPISTVPR ALKTI DMENG KAATGIHQRS DCAVPAAGV VAEAMVTLVL ARAVLQKFGG
DSLSETKSNI DTYLKNIEER MKFEGLEDGA

> RXA01699 (1-570, translated) 190 residues
MERNEVNDQI HLDHQSDDT ECSCPIVVLV GLPGAGKSTI GRRLARALNT ELVDSDELIE
RATGKACGAV FSELGEPAFR ELEAIHVAAE LKSSGVVSLG GGSVLTESTR ELLKGQDVVW
IDVPVEEGIR RTANERSRPV LQAADPAEHY RNLVKVRTPL YEEVATYRLR TNNRSPQQV
AAVLHHLEID

> RXA01712 (1-501, translated) 167 residues
VKAENYGGVE VSPEIQKQRQ ELGQEAIPPI AVMSGSLNFD VDTRFFLEAE VPPIIITDNS
DQAKQQLVD AGAQVIEVET LTAEVGVEKL RSLGYARIDC EGGATLYGQM LAADLVVDVW
HTIDPTLSGS VERPTVKGDD DAPRRFALEH VFVDDDDSTLF LRYKRAK

> RXA01719 (1-561, translated) 187 residues
MNIIILAGGE GKRMGGVDKA AVAVDGRITL DILLSQLDPE DDVVVVSPA I IDGITTVCEE
PPLGGPVAGI EAGLNSFEHA HEFTAILAVD APYSAAMLPL LQAQIGKADV AVTLAADGWV
QPLCALWRSG SLEAVIHS LG ETRNRPAKAL LKQAGHIVEV GGDGTEKD YD TVAELEVLGN
VTLPKAH

> RXA01720 (1-1209, translated) 403 residues
VAQQRSVDDY LSILIDSVAP LPPVKTPILG AHPLSHLAED VVATIPKPF TNSAVDGYAI
LKEDIHGSGP WTFLVGGDTP AGSAPASINN GKAIRVMTGG PVPSTNKDMI VVPVELTNAP
VDHSLPTEIT INELPGERNN IRHAGEHLKE GEIAVAAGTA FDAGTVSTVI SVGHDTVKAH
PCPRVAVITT GDELNQGNPW GIPNSNGPML VAEKRVGKI DPQHFHSDS ETALRETLDK
PAEVADVIIT VGGISAGAFD VVKAVGKTG GFEFFPIAMK PGKPOGHGQW GDAKVVCLPG
NPVAAWVSFR LFVVPVIERL GGGKRLASIS ELPVVALRSN RALKAREGPV LAIPVAIDWE
KRMANSQAHR SHMVGALAGS GGIALVTSSI AEDGLVDVVL GRM

> RXA01746 (1-753, translated) 251 residues
MTAPRDPFFP ADLSIRASAE PIEIQLGLI DYQEAWDYQA ELATRRANDE IPDQLLILEH
PSVYTAGKRT QPEDLPTNGL PVINADRGR ITWHGPGQLV IYPIIKLADP IDVVDYVRRL
EEALIQVVG D MG VAGAGRID GRSGVWVPAH DGWVDSKVAA IGIRITRGVA MHGVAINCNN
TLDFYEH IIP CGIADAGLST LSRELKRDVS VEELVEPSIR ALDDALAGRL VVSDHSFGSA
PDPTKNLPKR G

> RXA01747 (1-1044, translated) 348 residues

VTIAPEGRRLL LRVEARNSET PIETKPRWIR NQVKNNGPEYQ DMKERVAGAS LHTVCQEAGC
 PNIHECWESR EATFLIGGAN CSRRCDFCM I NSARPEPLDR GEPLRVAESV REMQLNYSTI
 TGVTRDDLDD EGAWLYSEVV RKIHELNPHT GVENLVPDFS GKKDLLQEVF ESRPEVFAHN
 VETVPRIFKR IRPAFRYERS LDVIRQARDF GLVTKSNLIL GMGETKEEIT EALQDLHDAG
 CDIITITQYL RGPPLFHPIE RWVKPEEFLE HADAAKEMGF AAVMSGPLVR SSSYRAGRLYA
 QAMEFRGEEI PAHLAHLKDT SGGSTAQEAS TLLERYGASE DTPVVVSFN

> RXA01757 (1-801, translated) 267 residues
 MPTASPIYDV VVGAGISGL IATQLLDRAG LNIKCFEACS RVGGRAVSVQ QSDLFLDLGA
 TWFVLNEPLV QQLVNNLGLG TFPQAIEGDA LFETLVDAPS RLRGNPIDAA SGRFQAGASS
 LALGLAAQLK PGVLELGDV HSLSEEDGEI VVKSSKQIVR AKHVIIAVPP ALAAELIGFT
 LDLPADVRKA AHPQHIAVMN WAKEKYTLPT QAASAGGFGH ELFQQPLGHG RIHWASTEVA
 TEFGGHLEGA VRAGIQAAALQ TGFNLKS

> RXA01807 (1-792, translated) 264 residues
 MPSAGEEILE QRAQLEFDQR RADVVMIGSQ VVYGSVGLSA AIPVMHNEGL RVVAVPTVVVL
 SSMPLYASSH RQPMSDQWLA DALQDLVDLG IIDEVSTIST GYFTSASQVR VVAAWLQKIR
 ETHPHVRIVV DPIMGDSVDG IYVADEIATA ICQDLCPLAT GIIPNAFELS HVMGSGDPRS
 LLGPFGEWII ITSATETVGT TVTRIVTRDS VQEIASATVD TTAKGAGDVY AAALIAALHK
 DFSLIDAASH ASNTVCAGLQ TKAL

> RXA01821 (1-378, translated) 126 residues
 RNSQGWKPCS TRSPKNTSIE DNGDHVVIQA GEETTIVDRV IVTTGSWTSE LVPSIAPLLE
 VRRLLVTLWFL PNNPVDFQPE NLPCFIRDRD GFHVFGAPCV DGYSIKIAGL DEGWVPLSLD
 PPMCPR

> RXA01835 (1-531, translated) 177 residues
 MNTAAWAHRH HVRKGGGIPY VSHLYSVMYL LASVTNDEDV LIAGLLHDTL EDVPEEYNSA
 QLEADFGPRV RELVEELTKQ PLKSWKARAD AYLLHLSAGA SLEAVLISTA DKLHNLMSIL
 DDLEIHGEDL WQRFNAGKEQ QIWWYSEVYQ ISLQRLGFNE LNKQLGLCVE KLLKQSA

> RXA01850 (1-1347, translated) 449 residues
 MAISVVDLFS IGIGPSSSHT VGPMRAALTY ISEFPSSHVD ITLHGSLAAT GKGHCTDRAV
 LLGLVGWEPT IVPIDAAPSP GAPIPAKGSV NGPKGTVSYS LTFDPHPLPE HPNAVTFKGS
 TTRTYLSVGG GFIMTLEDFR KLDDIGSGVS TIHPEAEVPC PFQKSSQLLA YGRDFAEVMK
 DNERLIHGDL GTVDAHLDRV WQIMQECVAQ GIATPGILPG GLNVQRRAPQ VHALISNGDT
 CELGADLDAV EWNLYALAV NEENAAGGRV VTAPTNGAAG IIPAVMHYAR DFLTGFAGAEQ
 ARTFLYTAGA VGIIKENAS ISGAEVGCQG EVGSASAMAA AGLCAVLGGS PQQVENAAEI
 ALEHNLGLTC DPVGGLVQIP CIERNAIAAM KSINAARLAR IGDGNRVSLL DDVVVTMAAT
 GRDMLTKYKE TSLGGLATTLL GFPVSMTEC

> RXA01878 (1-879, translated) 293 residues
 MEEPSGAQLL GPVEIRALAE KLDVTPTKKL GQNFVHDPNT VRRIVAAEEL TPNDHVVEVG
 PGLGSLTLAL VESAASVTAV EIDPRLAAEL PETFQWRAPA LAHKLSIVLK DALKVQQSDM
 AVQPTALVAN LPYNVSVPLV LHMMEEFPTI NKVLVMVQAE VADRLAADPG SKIYGVPSVK
 ASFYGPVTRA GSIGKNVFWP APKIESGLVK IVREDTAWKQ DDETRKKVWP IIDAAFLQRR
 KTLRAALSGH YGSGQAAEEA LRAADIDPTL RGEKLDVTDY VRLAGVLQOK DEK

> RXA01892 (1-729, translated) 243 residues
 VTSSEQPRT GYKRVMLKLE GEMFGGKVG VDPDVVDNVA RQIAEVAKTG AEIAVVIGGG
 NFFRGAEQQ RGMDRARSY MGMLGTMVNC LALQDFLGQH GVECRVQTAI NMAQVAEPYL
 PLRAERHLEK GRVIFGAGM GMPYFSTDTT AAQRALEIGC DVLLMAKAVD GVSDDPERTN
 PDAELFTEIT PKEVIEKGLK VADATAFSLC MDNKMPILVF NLLTEGNIAR AISGERIGTL
 VES

> RXA01894 (1-855, translated) 285 residues
 MPKPKNNAGR DLKAAIAVGI GLGVLVLLGI VLSPGWYIL VAGFMAAATW EVGSRLKEGG
 YHLPLPIMII GGQAIWLSW PFGTMGILAS FVATVLVLMY FRIFYNGTEK EARNYLRDTS
 VGIFVLTWIP LFGSFAAMLS LMQNNSIPGT YFILTFLCV IASDVGGYIA GVFFGSHPM
 PLVSPKKSWE GFAGSIVLGS VTGALS VHFL LDHHWWMGVI LGCALVVCAT LGDLVESQFK
 RDLGIKMSN LLPGHGGLMD RLDGMLPAAM VTWLILSVIS SSYP

> RXA01920 (1-414, translated) 138 residues
ADVIRLIIRD EAVHGYIIGY KYQKAVAKET PERQEELKEY TFDLLYDLYD NETQYSEDLY
DDLGWTEDEVK RFLRYNANKA LNNLGYEGLF PADETKVSPN ILSALSPNAD ENHDDFFSGSG
SSYVIGKAEN TEDDDWDF

> RXA01928 (1-837, translated) 279 residues
MQVATTQKAL IDALLHHKSV GLVPTMGALH SGHASLVKAA RAENDTVVAS IFVNPLQFEA
LGDCDDYRNY PRQLDADLAL LEEAGVDIVF APDVEEMYPG GLPLVWARTG SIGTKLEGAS
RPGHFDGVAT VVAKLFNLVR PDRAYFGQKD AQQVAVIRRL VADLDIPVEI RVPPIIRGAD
GLAESSRNQR LSADQRAQAL VLPQVLSGLQ RRKAAGEALD IQGARDTLAS ADGVRDLHLE
IVDPATLEPL EIDGLLTQPA LVVGAIFVGP VRLIDNIEL

> RXA01929 (1-807, translated) 269 residues
MSGIDAKKIR TRHFREAKVN GQKVSVLTSY DALSARIFDE AGVDMLLVGD SAANVVLGRD
TTLSTLDEM IVLAKAVTIA TKRALVVVDL PFGTYEVSPN QAVESAIRVM RETGAAAVKI
EGGVEIAQTI RRIVDAGIPV VGHIGYTPQS EHSLGHHVQ GRGASSGKLI ADARALEQAG
AFAVVLEMVP AEAAREVTEDE LSITTIGIGA GNGTDGQVLV WQDAFGLNRG KKPRFVREYA
TLGDSLHDAA QAYIADIHAG TFPGEAESF

> RXA01940 (1-579, translated) 193 residues
RVTLVSTGPL TNIALAVRKE PRIAERVKEV VLMGGGYHVG NWTAVAEFNI KIDPEAAHIV
FNEKWPLTMV GLDLTHQALA TPEIEAKFNE LGTDVADFV ALFDAFRKNY QDAQGFNDPP
VHDPICAVAYL VDPVFTTRK APLDVELYGA LTTGMTVADF RAPAPADCTT QVAVDLDFDK
FWMVIDAVK RIG

> RXA01970 (1-1206, translated) 402 residues
PEPVRIAIAE ALGLMCAEEV QASRALPGFA QAAIDGYAVR AVDVGGEKSF SQQLPVAPPE
KSLPVVGEVA AGSQQPLRLQ PKQAVMVHTG APLPMLADAV LPMASDRGR KRVTAQRPVR
SGEFVRKEGD DIQPGDIAVS AGAVLGPAAI GLLAAGVGRS VLVYPRPRMS VISVGAELVD
IDRQPGLGQV YDVNSYSLAA AGREAGADVY RYGLAAGEPR RIKEIIESQM LRSEIIVITG
AVGGAGSAGV RQVLNELGDI DTERVAMHPG SVQGFLLGE NKIPCFLLPS NPVASLVIFE
TFVRPVVRMS LGKSNAARRV VRARALNHVV SVAGRKGFIK SRLMRDAETQ DYLVEALGGA
TGAPSHLLAG LSEANGMIRI PEDVTEIRPG DVVDVIFLAQ GR

> RXA02022 (1-1107, translated) 369 residues
VNSELKPGLD LLGDPIVLTQ RLVDIPSPSG QEKQIADEIE DALRNLNLPG VEVFRFNNNV
LARTNRGLAS RVMLAGHIDT VPIADNLPSR VEDGIMYCG TVDMKSGLAV YLHTFATLAT
STELKHDLT IAYECEEVAD HLNLGHIRD EHPEWLAADL ALLGEPTGGW IEAGCQGNLR
IKVTAHGVRA HSARSWLGDN AMHKLSPIIS KVAAYKAAEV NIDGLTYREG LNIVFCESGV
ANNVIPDLAW MNLNFRFAPN RDLNEAIEHV VETLELDGQD GIEWAVEDGA GGALPGLGQQ
VTSGLIDAVG REKIRAKFGW TDVSRFSAMG IPALNFGAGD PSFAHKRDEQ CPVEQITDVA
AILKQYLSE

> RXA02024 (1-759, translated) 253 residues
MSSLPVIMAI VNRTPDSEFYD KGATFEDTAA LNRAAEVIEQ GAGIVDIGGV KAGPGDFVSA
EEEIDRVVPI IAAVRERFPD IDISVDTWRA SVADVAVAHG ATLINDTWAG HDHELVQVAG
QHKVGYVCSH TGGVIPRTRP YRVHFDIVA DVITETTKLA EQAVRAGVPE ERVFIDPTH
FGKNTFHGLE LLRRIDEVVA TGWPVLMALS NKDFIGETLE RGVDKRVAGT LAATAWAAAR
GVAAFRVHEV AET

> RXA02027 (1-495, translated) 165 residues
MSQTKQELRT KLREARTNMD EASRTRENAA IIANVSYIIR SKQPKRIAAY VPVRTEPGGR
LLLDALHAET SALILPVSLE DRRDLWALYE GPTSLVPGAF GIQEPGGTRL GPEALNFCDL
VIAPALACTP SGIRLGKGGG FYDRALATGV KADVITLLFN GEIRD

> RXA02031 (1-474, translated) 158 residues
MTEEREILTY EMFGTAMREL AQEIIDDYQP DCVLSIARGG LLIGGALGYA LGIKNVSVIN
VEFYTDIGEH LEEPMLPPT PKAVDLSGMR VLVADDVADT GKTLELVRDF LGDQVVEVRT
AVIYHKPNSV FKPEYVWRET DKWINFPWST LPPVEPSK

> RXA02072 (1-1341, translated) 447 residues
MTVDEQVSNY YDMLLKRNAG EPEFHQAVAE VLESCLKIVLE KDPHYADYGL IQRLCEPERQ
LIFRVPWVDD QGQVHVNRGF RVQFNSALGP YKGLRFHPS VNLGIVKFLG FEQIFKNSLT
GLPIGGGKGG SDFDPKGKSD LEIMRFCQSF MTELHRHIGE YRDVPAGNIG VGGHEIGYLF
GHYRRMANQH ESGVLTGKGL TWGGSLVRTE ATGYGCVYFV SEMIKAKGES ISGQKIIVSG
SGNVATYAIE KAQELGATVI GFSDSSGWVH TPNGVDVAKL REIKEVRRAR VSVYADEVEG
ATYHTDGSIW DLKCDIALPC ATQNELNGP AKTLADNGCR FVAEGANMPS TPEAVEVFRE
RDIRFGPGKA ANAGGVATSA LEMQQNASRD SWSFEYTDER LQVIMKNIFK TCAETAEEYG
HENDYVVGAN IAGFKKVADA MLAQGGVI

> RXA02085 (1-1800, translated) 600 residues
MTSNFSSTVA GLPRIGAKRE LKFALEGYWN GSIEGRELAQ TARQLVNTAS DLSGLDSVP
FAGRSYYDAM LDAAAILGVL PERFDDIADH ENDGLPLWID RYFGAARGTE TLP AQAMTKW
FDTNHYHLPV ELSADTRFVL DASALIEDLR CQQVRGVNAR PVLVGPLTFL SLARTDGSN
PLDHLPALFE VYERLIKSF TEWVQIDEPA LVTDVAVEVL EQVRAGYTTL AKRDGVFVNT
YFGSGDQALN TLAGIGLGAI GVDLVTHGVT ELAAWKGEEL LVAGIVDGRN IWRTDLCAAL
ASLKRLAARG PIAVSTSCSL LHVPYTLAE NIEPEVRDWL AFGSEKITEV KLLADALAGN
IDAAAFDAAS AAIASRRTSP RTAPITQELP GRSRGSFDTR VTLQEKSELE PALPTTTIGS
FPQTPSIRSA RARLRKESIT LEQYEEAMRE EIDLVIKQE ELGLDVLVHG EPERNDMVQY
FSELLDGFLS TANGWVQSYG SRCVRPPVLF GNVSRPAPMT VKWFQYQSL TQKHVKGMLT
GPVTILAWSF VRDDQPLATT ADQVALALRD EINDLIEAGA KIIQVDEPAI RELLPATRRR

> RXA02086 (1-480, translated) 160 residues
MSLRFEVNCCP LRDVDKPAYL QWSVDSFRLA TAGAPDDVQI HTHMCYSEFN EVISSVIALD
ADVTTIEAAR SDMQVLAALK SSGFELGVGP GVWDIHSPRV PSAQKVDGLL EAALQSVDP
QLWVNPDCGL KTRGWPEVEA SLKVLVESAK QAREKIGATI

> RXA02093 (1-804, translated) 268 residues
MVNYVDRETT LCISLAARPS NHGVRFHNL YAEGLNLYLY KAVAPADITA AVAGIRGLNI
RGAGVSMYPK SDVIPLIDEL HPSAERIRSV NTIVNNDGHL VGYNTDYTAV YHLLLEEHRVN
PNARVAIKGS GGMANAVVAA LAEYGLSGTV VARNHTTGSA LASRYGWEYS ATPPEDAKIL
VNVTPMGMMG PDQDVVSFGE DEVDRADVIF DCVAFPVETP LIKLAKEKGK QTIDGGEVAA
LQAAEQFHLY TGVLPNTDQI IAAEEFSK

> RXA02106 (1-1056, translated) 352 residues
MNNHFELKVP GGKLVVDVT TDLDSIADVK ISGDFPLEPD EAFFALGRAL QGASVGDNTD
RLQAKLDAAL AEYDDVELHG FSTADIALAV RRAVTGAQDF TDYEWELHP GVLPTPLNVA
LDELLLDQVA SGQRGPTMRI WDWD DRATVI GSFQSYVNEI NQEGVNEHGV TVVRRMSGGG
AMFMEGGNCI TYSLYAPESL VAGLSYEQSY EYLD RLVIAA LKTHD VDAWY VPINDITSTG
GKIGGAAQKR RSGAVLHHVT MSYDIDADMM TQVLRIGKVK ISDKGLRS AK KRVDP LRRQT
GASREQIIDT LKSTFSARYG AQEVELSDED FAAGHDLVKT KYATEEWTKR VQ

> RXA02111 (1-1284, translated) 428 residues
MTTSITPSVN LALKNANSCN SELKDGPWFL DQPGMPDVYG PGASQNDPIP AHAPRQQVLP
EEYQRASDDE LHRRIREAKD TLGDKVVILG HFYQRDEVIQ HADFGVDSFQ LARAAKTRPE
AEAIVFCGVH FMAETADLLS TDEQSVILPN LAAGCSMADM ADLDSVEDCW EQLTISIYDD
TLIPVTYMNS SAALKGFVGE HGGIVCTSSN ARSVLEWAFE RGQRVLFPPD QHLGRNTAKA
MGIGIDQMPL WNPKNPLGGN TVSELENKAV LLWHGFCSVH KRFTVEQINK ARAEYDPVHV
IVHPESPMPV VDAADSSGST DFIVKAIQAA PAGSTFAIGT EINLVQRLAA QYPQHTIFCL
DPVICPCSTM YRIHPGYLAW ALEELVAGNV INQISVSESV AAPARVALER MLSVVPAPV
TPSSSKDA

> RXA02112 (1-837, translated) 279 residues
MTTHIDRIVG AALSEDAPWG DITSDFIPG SAQLSAKVVA REPGVFSGQA LLDASFRLVD
PRINASKVA DGDSFETGDI LGTITGSARS ILR SERIALN FIQRTSGIAT LTSCYVAEVK
GTKARIVDTR KTTPLRIIE RQAVRDGGGF NHRATLSDAV MVKDNHLAAI ASQGLSITEA
LSNMKAKLPH TTHVEVEVDH IEQIEPVIAA GVDTIMLDNF TIDQLIEGVD LIGGRALVEA
SGGVNLNTAG KIASTGVDVI SVGALTHSVH ALDLGLDIF

> RXA02134 (1-921, translated) 307 residues
MSGKAGFTPE DPEDSDNRHG NPLFEGIFTA LNWMTVLPVP GASVFDRTTG ARVMASLPFV

GFVFGMFTAI IMWAIGPISG VIHVDGLLVA VLIVAFWELL NRFMHLDGLA DVSDALGSYA
 APPRAREILA DPRTGLFGLA TAMLSVLLQV AAVASLVDST VWMICFIPV LGRIAGQVTA
 LKNHNAFSPT GFGALVIGTV KFWWIALWLL VTAALAFWCA ELISPLSPLT SVNTPFVAGP
 FPAAINPAWL GGWVAITAVV ACVFAALFSR RLSRSFGGLN GDCIGACIHL GASISAVMFA
 VVANAMV

> RXA02135 (1-1074, translated) 358 residues
 MVPAELFARV EFPDHKILAQ TKDFHDSLTK PPGSLGKLEQ IGCIFISACQG QIPPRPLNNS
 KIVVFAGDHG VATKGVSAYP SSVSLQMAEN ITNGGAINV IARTTGTSVR LIDTSLDHEA
 WGDERSRSC GSIDVEDAMT QEQVERALKI GKRIADQEV D AGADILIPGD LGIGNTTTAA
 ALVGTFTLAE PVVVVGRGTG IDDEAWKLKV SAIRDAMFRA RDLRQDPIAI ARKISSPDLA
 AMAAFIAQAA VRRTPVLLDG VVVTAALLA NKLAPGARRW FIAGHRSTEP AHSVALNALA
 LDPILELGMS LGEGSGAATA LPLVKIAVDL MNDMSTFSSA GVDGPLNASS EAPEQNT E

> RXA02136 (1-522, translated) 174 residues
 MRTVLVG GAR SGKSFAESL VGSGPVLYVA TARPSGDDPE FAERIAVHAE RRPTSWVLDE
 EGDVDKLLAS PPAMPVLVDD LGTWLTHATD ACDGWEASSA QLEAKMDLLI DAILHFQGED
 LVIVSPEVGM GIVPEYKSGR LFRDRIGTLN QRVAICERV VFVVGAGLPLE LKTF

> RXA02139 (1-1839, translated) 613 residues
 MRHRGPDDAG TWHADAAFG FNRLSIIDIA HSHQPLRWGP ADEPDYAMT FNGEIYNYVE
 LRKELSDLGY AFNTSGDGEP IVVGFHHWGE SVVEHLRGMF GIAIWDTK EK SLFLARDQFG
 IKPLFYATTE HGTVFSSEKK TILEMAEEMN LDLGLDKRTI EHYVDLQYVP EPDTLHAQIS
 RLESGCTATV RPKGKLEQKR YFKPQFPVQK VVKGKEQDLF DRIAQVLEDS VEKHM RADVT
 VGSFLFGGID STAI AALAKR HNPDLLTFTT GFEREGYSEV DVAAESAAAI GA EHIVKIVS
 PEEYANAIPK IMWYLDPPVA DPSLVPLYFV AAEARKHVKV VLSGEGADEL FGGYTIYKEP
 LSLAPFEKIP SPLRKGLGKL SKVLPDGMKG KSLLE RGSMT MEERYYG NAR SFNFEQMQRV
 IPWAKREWDH REVTAPIY AQ SRNFDPVARM QHLDLFTWMR GDILVKADKI NMANSLELRV
 PFLDKEVFKV AETIPYDLKI ANGTTKYALR RALEQIVPPH VLHRKKLGFP VPMRHWLAGD
 ELFGWAQDTI KESGTEDIFN KQAVLDMLNE HRDGVSDHSR RLWTVLSFMV WHGIFVENRI
 DPQIEDRSYP VEL

> RXA02153 (1-780, translated) 260 residues
 MIMHNVYGVT MTIKVAIAGA SGYAGGEILR LLLGHPAYAS GELEIGALTA ASTAGSTLGE
 LMPHIPQLAD RVIQDTTAET LAGHDVVFLG LPHGFSAEIA LQLGPDVTVI DCAADFRLQN
 AADWEKFYGS EHQTWPYGI PEMPGHREAL RGAKRVAVPG CFPTGATLAL LPAVQAGLIE
 PDVS VVSITG VSGAGKKASV ALLGSETMGS LKAYNTSGKH RHTPEIAQNL GEVSDKPVKV
 SFTPV LAPLP REFSPLQPHL

> RXA02154 (1-291, translated) 97 residues
 LKEGVTA EQA RAVYEEFYAQ ETFVHVLPEG AQPQTQAVLG SNMCHVQVEI DEEAGKVLVT
 SAIDNLTKGT AGAAVQCMNL SVGFDEAAGL PQGVAP

> RXA02155 (1-1164, translated) 388 residues
 MAEKGITAPK GFVASATTAG IKASGNPDMA LVVNQGPEFS AAVFTRNRV FAAPVKVSRE
 NVADGQIRAV LYNAGNANAC NGLQGEKDAR ESVSHLAQNL GLEDSDIGVC STGLIGELLP
 MDKLNAGIDQ LTAEGALGDN GAAAAKAIMT TDTVDKETVV FADGWTVGGM GKGVGMMAPS
 LATMLVCLTT DASVTQEMAQ IALANATAVT FDTLDIDGST STNDTVFLLA SGASGITPTQ
 DELNDAVYAA CSDIAAKLQA DAEGVTKRVA VTVVGT TNE QAINAARTVA RDNLFKCAMP
 GSDPNWGRVL AAVGMADADM EPEKISVFFN GQAVCLDSTG APGAREVDLS GADIDVRIDL
 GTSGEGQATV RTTDL SFSYV EINSAYSS

> RXA02156 (1-951, translated) 317 residues
 MNDLIKDLGS EVRANVLAEA LPWLQHFRDK IVVVKYGGNA MVDDDLKAAF AADMVFLRTV
 GAKPVVVHGG GPQISEMLNR VGLQGEFKGG FRVTTPEVMD IVRMVLFGQV GRDLVGLINS
 HGYPYAVGTSG EDAGLFTAQK RMVNIDGVPT DIGLVGDIIN VDASSLMDII EAGRIPVVST
 IAPGEDGQIY NINADTAAGA LAAAIGAERL LVLTNVEGLY TDWPKSSLV SKIKATELEA
 ILPGLDSGMI PKMESCLNAV RGGVSAAHVI DGRIAHSVLL ELLTMGGIGT MVLDPDVF DRE
 NYPEGTVFRK DDKDGEL

> RXA02157 (1-1173, translated) 391 residues

MSTLETWPQV IINTYGTTPV ELVSGKGATV TDDQGNVYID LLAGIAVNAL GHAPPAIEA
 VTNQIGQLGH VSNLFASRPV VEVAEELIKR FSLDDATLAA QTRVFFCNSG AEANEAAFKI
 ARLTGRSRII AAVHGFHGRT MGSALALTGP DKREAFPLMP SGVEFYYPYGD TDYLRKMVET
 NPTDVAAIFL EPIQGETGVV PAPEGFLKAV RELCDEYGIL MITDEVQTV GRTGDFFAHQ
 HDGVVPDVVT MAKGLGGGLP IGACLATGRA AELMTPGKHG TTFGGNPVAC AAAKAVLSV
 DDAFCAEVAR KGELFKELLA KVDGVVDVRG RGLMLGVVLE RDVAKQAVLD GFKHGVILNA
 PADNIIRLTP PLVITDEEIA DAVKAIETI A

> RXA02158 (1-957, translated) 319 residues
 MTSQPQVRHF LADDDLTAE QAEVLTAAK LKAAPFSERP LEGPKSVAVL FDKTSTRTRF
 SFDAGIAHLG GHAIIVDSGS SQMGKGESLQ DTAAVLSRYV EAIVWRTYAH SNFHAMAETS
 TVPLVNSLSD DLHPCQILAD LQTIVENLSP EEGPAGLKKG KAVYLGDDGN NMANSYMIGF
 ATAGMDISII APEGFQPRAE FVERAEKRGQ ETGAKVVVTD SLDEVAGADV VITDTWVSMG
 MENDGIDRTT PFVPYQVND EVMKANDGAI FLHCLPAYRG KEVAASVIDG PASKVFDEAE
 NRLHAQKALL VWLLANQPR

> RXA02159 (1-513, translated) 171 residues
 MSLGSTPSTP ENLNPVTRTA RQALILQILD KQKVTSQVQL SELLLDEGID ITQATLSRDL
 DELGARKVRP DGGRAYAVG PVDSIAREDL RGPSEKLRRM LDELLVSTDH SGNIAMLRTP
 PGAAQYLASF IDRVGLKEVV GTIAGDDTVF VLARDPLTGK ELGELLSGRT T

> RXA02160 (1-1203, translated) 401 residues
 MTNRIVLAYS GGLDTTVAIP YLKKMIDGEV IAVSLDLGQG GENMDNVRQR ALDAGAAESI
 VDAKDEFDAE EYCLPTIKAN GMYMKQYPLV SAISRPLIVK HLVEAGKQFN GTHVAHGCTG
 KGNDQVRFEV GFMDTDPNLE IIAPARDFAW TRDKAIAFAE ENNVPIEQSV KSPFSIDQNV
 WGRAIETGYL EDLWNAPTKD IYAYTEDPAL GNAPDEVIIS FEGGKPVSID GRPVSVLQAI
 EELNRRAGA QGVGRDLMDVED RLVGIKSREI YEAPGAIALI KAHEALEDVT IERELARYKR
 GVDARWAEV YDGLWFGPLK RSLDAFIDST QEHVTGDIRM VLHAGSITIN GRRSSHSLYD
 FNLATYDTGD TFDQTLAKGF VQLHGLSSKI ANKRDREAGN N

> RXA02161 (1-783, translated) 261 residues
 MEQHGHTNEGA LWGGRFSGGP SEAMFALSVS THFDWVLAPY DVLASKAHAK VLHQADLLSD
 EDLATMLAGL DQLGKDVAAG TFGPLPSDED VHGMERGVV DRVGPVGGGR LRAGRSRNDQ
 VATLFRMWVR DAVRDIALGT TELVDALSAQ AKAHAGAIMP GKTHFQAAQP VLLAHQLLAH
 AQPLLRDIDR IRDLDKRLAV SPYSGGALAG SSLKLNPEAI AEELGFDSAA DNSIDATSSR
 DFASATAFVL AQLAXGYVPL G

> RXA02162 (1-663, translated) 221 residues
 MSRLAEIIIA WCTPEFGYIT LSDSWSTGSS IMPQKKNPDV AELTRGKSGR LIGNLTGLLA
 TLKAQPLAYN RDLQEDKEPI VDSVAQINLL LPAMTGLVST LTFNTERMRE LAPAGFTLAT
 DLAEMWVRQG VPFREAHEAS GACVRIAESR GVDLIDLTDE ELSGVDARLT PEVREVLID
 GAVASRATRG GTAGVRVAEQ RARVDAASTA HAEWARAGVR R

> RXA02176 (1-1128, translated) 376 residues
 MTDFPTLPSE FIPGDGRFGC GPSKVRPEQI QAIVDGSASV IGTSHRQPAV KNVVGSIREG
 LSDLFSLPEG YEIILSLGGA TAFWDAATFG LIEKKSGHLS FGEFSSKFAK ASKLAPWLDE
 PEIVTAETGD SPAPQAFEGA DVIWAHNET STGAMVPVLR PEGSEGSLVA IDATSGAGGL
 PVDIKNSDVY YFSPQKCFAS DGGLWLAAMS PAALERIEKI NASDRFIPEF LNLQTAVDNS
 LKNQTYNTPA VATLLMLDNQ VKWMNSNGGL DGMVARTTAS SSALYNWAEA REEASPYVAD
 AAKRSLVGT IDFDSDIDAA VIAKILRANG ILDETPYRKL GRNQLRIGMF PAIDSTDVEK
 LTGAIDFIELD GGFARK

> RXA02189 (1-738, translated) 246 residues
 VDAADYHERH PSYLGTDASH GEFYWCPEML HEKDVRLLGT PAALSGKKIL EIGCGSAPCA
 RWLANDVPNA FVTAFDISSQ MLKYAGHDHN VHLVQADAMS LPYADSSFDV VFSVFGAIPF
 VEDSAALMKE IARVLKPGGR LIFSITHPMR WIFLDDPGPA GLTAITSYFD QRGYVEEDEE
 TGALSYAEQH RTMGARINEL IDASLHLDHL IEPEWPDELE ENWQWSPLR GKLFPGTAIF
 LATYRP

> RXA02193 (1-1578, translated) 526 residues
 MSKTSNKSSA DSKNDAKAED IVNGENQIAT NESQSSDSAA VSERVVEPKT TVQKKFRIES

DLLGELQIPS HAYYGVHTLR AVDNFQISRT TINHVPDFIR GMVQVKKAAA LANRRRLHTLP
 AQKAEAIVWA CDQILIEERC MDQFPIDVFQ GGAGTSLNMN TNEVVANLAL EFLGHEKGEY
 HILHPMDDVN MSQSTNDSYP TGFRLGIYAG LQTLIAEIDE LQVAFRHKGN EFVDIIKMGR
 TQLQDAVPMS LGEEFRAFAH NLAEETQTVLR EAANRLLEV N LGATAIGTGV NTPAGYRHQV
 VAALSEVTGL ELKSARDLIE ATSDTGAYVH AHS AIKRAAM KLSKICNDLR LLSSGPRAGL
 NEINLPPRQA GSSIMPAKVN PVIPEVVNQV CFKVFGNDLT VTMAAEAGQL QLNVMPEVIG
 ESLEFQSLRIL GNAAKTLREK CVVGITANAD VCRAYVDNSI GIITYLNPFL GHDIGDQIGK
 EAAETGRPVR ELILEKKLMD EKTLEAVLSK ENLMHPMFRG RLYLEN

> RXA02194 (1-843, translated) 281 residues
 MLKIAVPKNG SLSERAMEIL AEAGYAGRGD SKSLNVFDEA NNVEFFFLRP KDIAIYVAGG
 QLDLGITGRD LARDSQADVH EVLSLGFGSS TFRYAAPADE EWSIEKLDGK RIATSYPNLV
 RDDLAARGLS AEVLRLDGAV EVSIKLGVAI ADADVSTGR TLRQQLAPF GEVLCTSEAV
 IVGRKDEKVT PEQQILLRRI QGILHAQNFL MLDYNVDRDN LDAATAVTPG LSGPTVSPLA
 RDNWVAVRAM VPRRSANAIM DKLGLGAEI ILASEIRIAR I

> RXA02195 (1-270, translated) 90 residues
 MYRVKTFDSL YEELLNRAQT RPEGSGTVAA LDKGIHHLGK KVIEEAGEVW IAAEYETDEE
 LAGEISQLIY WTQVIMVARG LKPEDIYKNL

> RXA02197 (1-528, translated) 176 residues
 AERMRFSPFR QQRGRFLCIA DFIRPREQAV KDGQVDVMPF QLVMTGNPIA DFANELFAAN
 EYREYLEVHG IGVQLTEALA EYWSRVRSE LKLNDDGGSVA DFDPEDKTKF FDLDIRGARF
 SFGYGSCPD L EDRAKLVELL EPGRIGVELS EELQLHPEQS TDAFVLYHPE AKYFNV

> RXA02198 (1-2478, translated) 826 residues
 MSTSVTSPAH NNAHSSEFLD ALANHVLI GD GAMGTQLQGF DLDVEKDFLD LEGCNEILND
 TRPDVLRQIH RAYFEAGADL VETNTFGCNL PNLADYDIAD RCRELAYKGT AVAREVADEM
 GPGRNGMRRF VVGS LGPGTK LPSLGHPYA DLRGHYKEAA LGIIDGGGDA FLIETAQDLL
 QVKA AVHGVQ DAMAELDTFL PIICHVTVET TGTMLMGSEI GAALTALQPL GIDMIGLNCA
 TGPDEMSEHL RYLSKHADIP VSVMPNAGLP VLKNGAEYP LEAEDLAQAL AGFVSEYGLS
 MVGGCCGTTI EHIRAVRDV VGVPEQETST LTKIPAGPVE QASREVEKED SVASLYTSVP
 LSQETGISMI GERTNSNGSK AFREAMLSDG WEKCVDIKQV QTRDGAHMLD LCVDYVGRDG
 TADMATLAAL LATSSTLPIM IDSTEPEVIR TGLEHLGGRS IVNSVNFEDG DGPESRYQRI
 MKLVKQHGAA VVALTIDEEG QARTAEHKVR IAKRLIDDIT GSYGLDIKDI VVDCLTFPIS
 TGQEETRRDG IETIEAIREL KKLYPEIHTT LGLSNISFGL NPAARQVLNS VFLNECIEAG
 LDSAIAHSSK ILPMNRIDDR QREVALDMVY DRRTEDYDPL QEFMQLFEGV SAADAKDARA
 EQLAAMPLFE RLAQRIIDGD KNGLEDDLEA GMKEKSPIAI INEDLLNGMK TVGELFGSGQ
 MQLPFVLQSA ETMKTAVAYL EPFMEEAEAE TGSQAQEGKG KIVVATVKGD VHDIGKNLVD
 IILSNNGYDV VNLGIKQPLS AMLEAAEEHK ADVIGMSGLL VKSTVV

> RXA02208 (1-1002, translated) 334 residues
 LGVVDGVAPL NRTMEKIIAV HDDSLSQEVF GVTFFRPLGL AAGFDKNASM ADAWGAVGFG
 YAELGTVTAF PQPGNPTPRL FRLPADKAIL NRMGFNNLGA AEVAKNLRNR KSTDVIGINI
 GKTKVVP AEH AVDDYRRSAS LLGDLADYLV VNVSSPNTPG LRDQLAVESL RPILAAVQES
 TTVPVLVKIA PDLSDDEDIDA VADLAVELKL AGIVATNTTI SREGLNTPSG EVEAMGAGGI
 SGAPVAARSL EVLKRLYARV GKEMVLISVG GISTPEQAW E RITSGATLLQ GYTPFIYGGP
 DWIRDIHLGI AKQLKAHGLR NIADAVGSEL EWKN

> RXA02229 (1-825, translated) 275 residues
 LTIPFAKGHA TENDFIIIPD EDARLDLTPE MVVTLCRRRA GIGADGILRV VKAADVEGST
 VDP SLWFMDY RNADGSLAEM CGNGVRLFAH WLYSRGLVDN TSFDIGTRAG VRHVDILQAD
 QHSAQVRVDM GIPDVTGLST CDINGQVFAG LGVDMGNPHL ACVVPGLSAS ALADMELRAP
 TFDQEFFPHG VNVEIVTELE DDAVSMRVWE RGVGETRSCG TGTVAACAA LADAGLGEGT
 AKVCVPRGEV EVQIFDDGST LTGPSAIIAL GEVQI

> RXA02234 (1-3198, translated) 1066 residues
 GSNPATIMTD PEMADHTYVE PIEPEYIDKI FAKEIEQGHP IDAVLATLGG QTALNAAIQL
 DRLGILEKYG VELIGADIDA IERGEDRQKF KDIVTTIGGE SARSRVCHNM EEVHETVAEL
 GLPVVVRPSF TMGGLGSLA YNTEDLERIA GGGLAASPEA NVLIEESILG WKEFELELMR
 DTADNVVIC SIENVDALGV HTGDSVTVAP ALTLT DREFQ KMRDQGI AII REVGVDTGGC

NIQFAINPVD GRIITIEMNP RVSRSSALAS KATGFPIAKM AAKLAIGYTL DEITNDITGE
 TPAAFEPTID YVVVKAPRFA FEKFVGADDT LTTTMSVGE VMSLGRNYIA ALNKALRSLE
 TKQQGFWTKP DEFFAGERAT DKAADVLEDLK RPTTEGRLYDV ELAMRLGASV EELYEASSID
 PWFLAELEAL VQFRQKLVD A PFLNEDLLRE AKFMGLSDLQ IAALRPEFAG EDGVRTLRSL
 LGIRPVFKTV DTCAAEEFKA TPYHYSAYEL DPAAESEVAP QTEREKVLIL GSGPNRIGQG
 IEFDYSCVHA ALELSRVGYE TVMVNCPNPET VSTDYDTADR LYFEPLTFED VMEVYHAEAQ
 SGTVAGVIVQ LGGQTPGLLA DRLKKAGVPV IGTSPEDAID AEDRGEFGAL LNREQLPAPA
 FGTATSFEEA RTVADEISYP VLVRPSYVLG GRGMEIVYDE ASLEDYINRA TELSSDHPVL
 VDRFLDNAIE IDVDALCDGD EVYLAGVMEH IEEAGIHSGL SACALPPMTL GAQDIEKVVRE
 ATKKLALGIG VQGLMNVQYA LKDDILYVIE ANPRASRTVP FVSKATGVNL AKAASRIAVG
 ATIKDLQDEG MIPTEYDGGG LPLDAPIAVK EAVLPFNRF RPDGKTLDTL LSPMKSTGE
 VMGLANNFGA AYAKAEAGAF GALPTEGTVF VTVANRDKRT LILPIQRLAL MGKILATEG
 TAGMLRRNGI ECEVVLKASD IREGVEGKSI VDRIREGEVD LILNTPAGSA GARHDGYDIR
 AAAVTVGVPL ITTVQGVTA VQGIEALREG VVSVRALQEL DHAVKA

> RXA02235 (1-834, translated) 278 residues
 MTFGEKLLNA ASTRGRLCVG IDPHESLLTS WGLPVNVDDL AEFSRACVEA FADTVALVKP
 QVAFYERFGS AGFAILEETI QTLRERGCLV VSDAKRGDIG STMAGYASAW LDPASPLSSD
 AVTVSPYLG HSLDPVFELA EQHGRGVFVL AATSNPEARE LQDQONADGV SISQQIVDQA
 AALNAPYMAQ GKAGNIGVVI GATLSKPPRL STLGGAILMP GVGAQGGTAS DVDEIAGDMA
 HLAFPNVRS ILATGPDIAE MKNSVAKNAA DFPGFPRS

> RXA02237 (1-570, translated) 190 residues
 VSGDNQLGRL VILAGPSAVG KSTVVDRLRN DVPNLYFSVS MTTRAPRPGE VDGRDYFYVT
 AQEFQDKIDC GEMLEWADIH GGLQRSGTPA GPVNEARQNG RPLVEVDLA GARNIASLIP
 DAETIFLAPP SWEVLVERLT GRGTESEDVI ARRLETAREE LAAQSEFKHV IINDVDVTAV
 KAIEDVLLGA

> RXA02239 (1-1266, translated) 422 residues
 VPMTHVSSPS APRNVVVGVA GGIAAYKACH IVRAFKEAGD NVRVVPTEA LKFVVGKATFE
 ALSGNPVSTT VFDAVDSVQH VKVGQEADLI VIAPATADLM ARVVAGLGDD LLAATLLVAT
 CPVVIAPAMH TEMWFNPATV ANVATLRQRG ITVIEPAHGR LTGKDTGPGR LPDPEQIVDL
 ANAVHAGARL PQDLAGKKVL ITAGGTHEHI DPVRFIGNSS SGRQGFALGE IAAQRGAHVS
 IVAGNAAELP TPAGAEIVPV VSTQDMFDAV QERAGQSDFI VMAAAVADFT PASQATSKLK
 KGSDSDEDAL STISLVENPD ILATTVKRRE AGELDSNPVI VGFAAETGDE HTTALEYARK
 KLQKKGCDLL MCNEVGMGKV FGQKHNEGWI LDAHGGVVDV EHGSKIEVAA QIWDAAALAYR
 EV

> RXA02240 (1-1221, translated) 407 residues
 VAQPTAVRLF TSESVTEGHP DKICDAISDT ILDALLEKDP QSRVAVETVV TTGIVHVVG
 VRTSAYVEIP QLVRNKLIEI GFNSSEVGFD GRTCGVSVIS GEQSQEIADG VDNSDEARTN
 GDVEEDDRAG AGDQGLMFGY ATNETEEYMP LPIALAHRLS RRLTQVRKEG IVPHLRPDGK
 TQVTFAYDAQ DRPSHLDTVV ISTQHDPEVD RAWLETQLRE HVIDWVIKDA GIEDLATGEI
 TVLINPSGSF ILGGPMGDAG LTGRKIIIVDT YGGMARHGGG AFSGKDPSKV DRSAAYAMRW
 VAKNIVAAGL ADRAEVQVAY AIGRAKPVGL YVETFDTNKE GLSDEQIQAA VLEVFDLRPA
 AIIRELDLLR PIYADTAAYG HFGRTDLDDL WEAIDRVDEL RAALKLA

> RXA02246 (1-984, translated) 328 residues
 MDVAHALDLA HHVSDQVRGT TSPNPPVGAV ILDADGEVVG VGATAPPGGP HAEVVALAAA
 GVRANGGTAV VTLEPCNHYG RTGPCSKALL DAGIAHV FYA NADPFPSAAG GGAFLAEAGV
 DTHFLDERIR ALEPWL VATR LGRPHVTLKF ASTVDGFAGA TDGTSQWITG PDARAFVHED
 RSKRDAIIVG TGTALTDNPS LTARTDTGLY ENQPRRVVIG SREVPADSNL ARLGYEQYAG
 IPEALSALWD KGCRDILIEG GPTLAGAALR LGIVDQVQAY VAPALLGAGR SVINWPQETT
 MDQIMRFDTT SVRQLGSDVL IEMMRKEH

> RXA02247 (1-633, translated) 211 residues
 MFTGIVEELG SVAGVEHLGD SIRMQISAST VLEGVHLGDS ISVNGVCLTV ASFGEGHFTA
 DLMQETLDRS SLGALSTGSK VNLERAMAAD GRLGGHIMQG HVDATTSLIK RTSSSENWDVL
 RFELPADLAR YVVEKGSIAL NGTSLTVSSL GDDWFEVSLI PTTLRDTTHG ELAVGDIVNI
 EVDVIAKYVE RMMTRGVAGN TPNDYTDFT D

> RXA02248 (1-1266, translated) 422 residues
VSEHEQAHSQ LDSVEEAIAD IAAGKAVVVV DDEDRENEGD IIFAAELATP ELVAFMVRYS
SGYICAPLTA KDADRLDLPP MTAHNQDARG TAYTVTVTDAN TGTTGISATD RAHTLRLLAD
PEADRTDFTR PGHVVLPLRAR EGGVLVRAGH TEAAVDLARA AGLRPAGVIC EVVSEEDPTG
MARVPELRRF CDEHDLKLIS IEQLIEWRRK NEILVERQVE TVLPTDFGTF KAVGYRSIID
GTELVAIVAG DVASDGGENV LVRVHSECLT GDVFGSRRCD CGQQLHESLR LIQEAGRGVV
VYMRGHEGRG IGLLAKLRAY QLQDEGADTV DANLALGLPA DAREFGTSAQ ILYDLGVRS
NLISNNPAKK VGLEGHGISI ASRTPIPVAV HEDNVRYLKT KRDRMGHDLP DVALWEQEH
EN

> RXA02249 (1-477, translated) 159 residues
MAKEGLPAVE LPDASGLKVA VVTARWNAEI CDRLHKHA VD AGRAAGATVS EYRVIGALEL
PVVVQELART HDAVVALGCV VRGGTPHFDY VCDVTEGLT RIALDTSTPI GNGVLTNTTE
EQAVERSGGE GSVEDKGAEA MVAALDTALV LSQIRATEG

> RXA02250 (1-579, translated) 193 residues
VTTNAPDGAT NNINNAHSGA VGKPKVQLSD AEIQEYTA AF AGTTTTKPWE LEVTTKFLKK
IAWVAVVVIM AVHIFMGAVV DVDFTGAAVT FVDTLAFPAL GIIFSVLVFL GLTRPRVRAN
EDGVEVRNFI GTRFYPWVVI YGMSFPKGSS VARLELPDFE FVPMWAFQSR DGEDVVRAVA
TFRDLENKYM PED

> RXA02262 (1-1146, translated) 382 residues
MTATYTTTETA INFLFLSEPD MIAAGVKDVA QCVDVMEETL VLLAQGDYKM AGLNSNSHGA
MITFPENPEF EGMPKDGPD RFMAMPAYLG GRFKNTGVKW YGSNAENKAS GLPRSIHTFV
LNDTVTGAPK AIMSANLLSA YRTGAVPGV V KHLAVADAT TLAVVGPVGM AKTITEACIA
ERPGITTIKI KGRSERGINA FATWALEKFP EIEVVAVGSE EDVVKDADIV IAATTTDAAG
SSAFPYFKKE WLKPGALLLL PAAGRFD DAY LLDDARLVVD YMGLYEAWAE EYGPQAYQLL
GIPGTHWYDL ALQGKLDLAK ISQIGDICS G KLPGRNTDEE IILYSVGGMP VEDVAWATQV
YENALEKGVG TTLNLWESPA LA

> RXA02263 (1-360, translated) 120 residues
MKIAVIGLGS TGSMALWHL S NIPGVEAIGF EQFGISHGYG AFTGESRLFR MAYHEGSTYV
PLLKRARALW SSLSEISGRE LFHNFVGLST GKEDEAPFQR LVESVERYEL PHERLTAAQM

> RXA02272 (1-1245, translated) 415 residues
VRITNAQVKN YAEI LVDITIE GEKISSITPS SIRSEEDHRA DDYDAAGRLV APQFAEAHIH
LDYANTAGIP RENSSGTLFE AIEIWADRKT QGFHIKEDIK AKALQAARRA AEHGVGFIRT
HVDVTDPTFA GF EAIAELRD EVREWC DIQI VAFPQNGIYA YEGGQKLISD AMSAGADVVG
GIPHLEPTRD DGVESVKWLF DLAEKHSAPI DIHTDEIDDP HSRFVEVLAA EAAKRDMAQ
TVVSHSVAMA YYSPGYMARL LPKLAASKVR FAVCPNENLH LQGLGFQGPV PRGVAPVKQL
TEWGIPVSFC QDSLNDPFYP MGDGDLRL IL DSGLHVSHML TASHLKNALS FITTNPAGNL
GLDNYDIAEN SPANLLVLDA SSEKEAVQRK ASVLLSIHRG KKVLSREPEQ VDWN I

> RXA02281 (1-1068, translated) 356 residues
VQKDSVVRME ATTIDDAIAK LIDIYDTSTK LAKETLNNED YAAYADVVP KLTVDVLEWK
PIDRTEPFY VDRAGRY SAT LSKPRVIERY LREQLERLTS NYPCKIYVSE SDIRIPPEYI
RGAPSATEAR RAGDVADIIP RPTLDEVHDA IIDGDWHAFN GP ELPLFHFG PQRFDIACAR
IEHYTGINVE HVQKYILFTN YAMHTTEFVH FAMSELTSED SRYVGLSLPN GQVIDRETAT
SLGTETLDLT SRFQMPRYDL ITEAGDGITI INIGVGPSNA KTITDCLAVL RPEAWVMIGH
CAGMDARMRI GDLILGNAYQ REDHILNTRI PLGNPIPAIP EIQKALEASV DEIYGS

> RXA02284 (1-3024, translated) 1008 residues
MTSMNLPIEL ATLSDAQVDK VRSWLEYSK ESVPNADAKR LAAVLQDPNG LEFTVGFVDR
VVRTEDREAA AHALYELGKI APSTMSFLDR AQIQAGSLVG RALPQVVVPA ARARIRQMGV
HMIVDARDKQ FAKAVAEIQS DGHRLNINLL GEAVLGRKEA AKHLDDTVRL LRRPDVEYVX
XXXSSVASQI SMWGFEDTVN YVVEQLTPLY IEPARAPKGT KFINLDMEEY RDLRLTMEVF
KRLLSNPELH ELEAGIVLQA YLPDALGAIQ DLAQFGRERV NTGGAGVKVR LVKGANLPME
HVHAQITGWP VATEPSKQAT DANYKRVLYW TMRKENMEGL RLG VAGHNLF DIAFAHLLSV
ERGVADRVEF EMLQGMASDQ ARAVSVDVGE LLLYVPAVRP QEFDV AISYL VRRLEENAAS
ENFMSAIFDL DADNPSFKRE ESRFRASISD LATLIDVPAP GPNHTQDRSK ETLLDAPLVP
FINEPDNPA LIQNQQWATK AVATAAEPEGW LEKQTKPEVL EEGDV DKLIN DVRDAEEAWA

ARPAREAEI LYKTAEILRV RRGHLISVTA AEVGKAVEQT DPEISEAIDF ARYYAHLALE
 LDDVDNAEFT PDRVVVVTPP WNFPIAIPAG STFAALAAGA GVIHKPSKPS QHCSAAVVEA
 LWEAGVPREV LHCIYPANRD VGCALISHEH VDRVILTSS ETAAMFSSWR PELTINGETS
 GKNAIVVTPS ADRDLAVADL VKSAFGHAGQ KCSAASLGIL VGSVYESERF RKQLVDAASS
 LIVDWPTNPS ATVGPLTELP SDKLHHALTT LEEGESWLLK PRQLDDTGRL WSPGIKEGVK
 PGTFHFLTEV FGPVLGLMKA TDLNEAIEFQ NGNDFGLTGG LQSLDADEV R TWLDHVDVGN
 AYVNRGITGA IVQRQSEFGW KKSSVGLGSK AGGPYVMLM GTWADAPSHH APRETNPLIS
 KLDLPGELEE WLEKANASDE TAWNTEFGSP RDPSSGLDEA NIFRYRPA

> RXA02299 (1-408, translated) 136 residues
 MLRTILGSKI HRATVTQADL DYVGSVTIDA DLVHAAGLIE GEKVAIVDIT NGARLETYVI
 VGDAGTGNIC INGAAHLIN PGDLVIIMSY LQATDAEAKA YEPKIVHVDA DNRIVALGND
 LAEALPGSGL LTRSRI

> RXA02311 (1-690, translated) 230 residues
 VAKADLDKDP FDVASMFDV GKNYDLTNTV LSFGQDRVWR KRTRQRLDLK PGEKVLDLAA
 GTAVSTVELA KSGAFCVACD FSQGLAAGK DRDVSQVVD GMQLPFADNS FDAVTISYGL
 RNIHDFRAGL KEMARVTKPG GRLTVAEFST PVIPVFGTVY KEYLMRLLPQ AARAVSSNPE
 AYIYLADSIR AWPSQAEAR EINQNGWSDC GWQNLTFGIV ALHSAIKPEN

> RXA02315 (1-1629, translated) 543 residues
 MSSTPAQDLA RAVIDSLAPH VTDVVLCPGS RNSPLSLELL ARQDLRVHVR IDERSASFLA
 LSLARTQARP VAVVMTSGTA VANCLPAVAE AAHAHIPLIV LSADRPAPHLV GTGASQTINQ
 TGIFGDLAPT VGITELDQVA QIAESLAQGA SQIPRHFNLA LDVPLVAPEL PELHGEAVGA
 SWTHRWINHG EVTVDLGEHT LVIAGDEAW VEGLEDVPTI AEPTAPKPYN PVHPLAAEIL
 LKEQVSAEGY VVNTRPDHVI VVGHPHPTLHRG VLKLMSPDGI KLTVLRSRTDI ITDPGRHADQ
 VGSTVKVTGT QEKQWLKICS AASELAADGV RDVLNDQEFQ FTGLHVAAAV ADTLGTGDTL
 FAAANSIRD LSLVGMFPDG VDTFSPRGVA GIDGSAQAI GTSLAVQSRH PDEIRAPRTV
 ALLGDLFLH DIGGLLIGPD EPRPENLTIV VSNDNGGGIF ELLETGADGL RPNFERAFGT
 PHDASIADLC AGYGIEHQVV DNLQDLIAL VDTTEVSGFT IIEASTVRDT RRAQQQALMD
 TVH

> RXA02318 (1-279, translated) 93 residues
 MNSLFDVSPH WSSANAKLTA HFNTGKFSTG MKFVNLIADS AEEANHHPII LLTYGFVEIT
 LTSHDVGEIT DRDVALAKVI DAHAKTALIS AEA

> RXA02319 (1-957, translated) 319 residues
 MSNYSTDNPF DPTQWATVPG FEEFTDITYH RHVGTTRADG IVRIAFDRPE VRNAFRPHTV
 DELYQALDHA RRTPDVGTIL LTGNPSEKD GGWAFCSGGD QRIRGRSGYQ YATEHARDDA
 TADVFTVDIA RTKVEGGRHL ILEVQRLIRT MPKVVIIVVN GWAAGGGHSL HVVCDLTIAS
 RQEARFKQTD ADVGSFDAGY GSAYLAKMVG QKNAREIFFL GRITYDAERMQ QMGAVNIVAD
 HGDLEKEAIQ AAREINTKSP TGQRMLKFAF NLTDGGLMGQ QVFAGEATRL AYMTDEAVEG
 KEAFLEKREP NWNEFPYY

> RXA02345 (1-810, translated) 270 residues
 FAAIESVEDA VGFFEAVDQ VCLKARRGGY DGKGVWFPAD VAELQSLVAE LLDGGTPLMA
 EKKVALNREL SAMVARTPSG ETKAWPVVES VQKNGVCAEA IAPAPELSAE LQESTRGLAQ
 KIATELGVTG VLAVELFETL DQNGQPEIFV NELAMRSHT GHWTQDGCVT SQFEQHLRAV
 LDYPLGATDT LADYTVMANV LGADTDPEMP MATRMVEVGR KYPDAKIHLY GKGRHPGRKI
 GHVNMVGS DL EKTRAEALAC AYFLVNARWD

> RXA02346 (1-123, translated) 41 residues
 VGPLVGLIMG SDSWDVTVAP AAEVLAEFGI PFEVGVVSAH R

> RXA02350 (1-210, translated) 70 residues
 LDSLLSIVQM PGGVPVATVS IGGAKNAGLL AVRILGAGDP SLVTKMADYQ
 ENMAKEVEAK DEALKKRLLG

> RXA02373 (1-915, translated) 305 residues
 MSVVGTTGLFF GSPEEERDKL MQSLMDQKNK LSKSEGIPLV TLNDGKTIPQ LGFGVFKVDP
 DEAEVVTET LEVGYRHIDT AAIYGNEEGV GRAIAKSGIP REELFITTKL WNDRLHDVEA

AFEESLQKLG LDYVDLYLVH WPAPKNDNYV AAWKGLEKLG DRARSIGVCN FLPEHLEKLL
 AEATTVPAIN QIELHPALQQ RDAVEASLAA GITVESWGPL GQGRFDLGAE EPIAAAAKNH
 GKTPAQVVIR WHLQNGFVVF PKTVTKSRMV ENIDVDFEL SDEEMAAITA LERNDRGGSH
 PNDLN

> RXA02375 (1-1227, translated) 409 residues

MAPVTGLPVT PYSQEASIGA SFPVDPDTK DSAAYGHESG MRERISNAKR VVVKIGSSSL
 TNDEDGHTVD PNRINTIVNA LQARMEAGSD LIVVSSGAVA AGMAPLGLST RPTLAVKQA
 AAAVGQVHLM HQWGRSFARY GRPIGQVLLT AADAGKRDRA RNAQRTIDKL RILGAVPIVN
 ENDTVATTGV NFGDNRLAA IVAHLVSADA LVLLSDVDGL FDKNPTDPTA KFISEVRDGN
 DLKGVIAAGDG KVGVTGGMAS KVSARLASR SGVPVLLTSA ANIGPALEDA QVGTVFHFKD
 NRLSAWKFWA LYAADTAGKI RLDDGAVEAV TSGGKSLAV GITEIIGDFQ QGEIVEILGP
 AGQIIGRGEV SYSDSTLQSM VGMQTQDLPD GMQRPVVHAD YLSNYASRA

> RXA02378 (1-609, translated) 203 residues

MSSTTLTDDQ IRDNERTVL AKATAAKNIV PDIAVLGTGP KNAILRAAAD ELVARSAEII
 EANASDIEAG RANGMEESMI DRLALDESRI EGIAGGLRQV AGLTDPVGEV LRGHVMENGI
 QMKQVRVPLG VMGMVYEARP NVTVDAFGLA LKSGNVALLR GSSTAVHSNT KLVEILQDVL
 ERFELPRETV QLLAKPADP SKI

> RXA02380 (1-654, translated) 218 residues

MTTIVKRRAR IGIMGGTFDP IHNGHLVAGS EVADRFDL DL VVYVPTGQPW QKANKKVSPA
 EDRYLMTVIA TASNPRFMVS RVDIDRGGDT YTIDTLQDLS KQYPDAQLYF ITGADALAQI
 VTWRDWEKTF ELAHFVGVT RPYELDGNII PEMHQDRVSL VDIPAMAISS TDCRERSSEE
 RPVWYLVDPG VVQYIAKRQL YRPEGSDKDM DPKGQNQA

> RXA02382 (1-600, translated) 200 residues

PTIETGTGNC HFYIDAEAKL DQAIAMVING KTRRCSVCNA TETALLDAAL SDSDKLAVVQ
 ALQEAGVTIH GRVAELEAFG ATDVVEATET DWDSEYLSFD IAVAVVDGVD GALAHIAKYS
 TKHTEAIATQ NIETAQRFAD RVDAAAVMIN ASTAYTDGEQ YGMGAEIGIS TQKLHARGPM
 ALPELTSTKW ILQGTGQIRP

> RXA02400 (1-570, translated) 190 residues

MSISRTVFGI AATAALSAAL VACSPPHQQD SPVQRTNEIL TTSQNPTSAS STSTSSATTT
 SSAPVEEDVE IVVSPAALVD GEQVTFEISG LDPEGGYAA ICDSVANPGN PVPSCGTGEMA
 DFTSQAWLSN SQPGATVEIA EDGTATVELE ATATGTGLDC TTQACVAKVF GDHTEGFRDV
 AEVPVTFAAA

> RXA02405 (1-771, translated) 257 residues

VNTNPSEFSS NRSTALLTDK YELTMLQAAL ADGSAERPST FEVFSRRLPN ERRYGVVAGT
 ARVLKAIRDF VFTEEQLADL DFLDDRTLEY LRNYRFTGQV DGYREGEIYF PQSPLLTVRG
 TFAECVILET VILSIMNADS AVASAAARMV TAADGRPIIE MGSRRTHEYS AVTASRAAYL
 AGFSTTSNLE AAYRYGIPAS GTSAAWTLH HINDDGTPNE AAFKAQVES LGVDTTLLVD
 TYDITQGVAT AIEVAGP

> RXA02432 (1-975, translated) 325 residues

MSKQHSTPLN NDEHTSAPQ KVAVITTTGGT IACTSDANGH LLPTVSGADL LAPIAPRFNG
 AQIAFEIHEI NRLDSSSMTF EDLDSIIATV HKVLEDPDVV GVVVTHGTDS MEESAIIVDT
 FLDDPRPVIF TGAQKPFDPH EADGPNLFE ACLIASDPSA RGIGALIVFG HAVIPARGCV
 KWHTSDELAF ATNGPEEPER PDALPVAKLA DVSVEIIPAY PGATGAMVEA AIAAGAQGLV
 VEAMGSGNVG SRMGDALGKA LDAGIPVVMV TRVPRGEVSG VYGGAGGGAT LAAKGAVGSR
 YFRAGQARIL LAIAIATGAH PVTLY

> RXA02458 (1-1290, translated) 430 residues

MVFVSDSSIS LPIWDAPRAR GPIVSDLAIP GSKSITNRL ILAALASTPS TIIDVLRSD
 TDLMTDGLRS LGITITEEAV DRYRVEPGQL SAGSVECGLA GTVMRFLPPV AAFADGPVHF
 DGDPQARVRP MTSILDALRS LGVEVDNNNL PFTVNAGEVP EGGVVEIDAS GSSQFVSGLL
 LSAPRFKNGV TVKHVGGRLP SMPHIEMTV DMLRSAGIEIE ESENQWVVHP GEILGRTWRI
 EPDLSNATPF LAAAVTGGT IKINHWP IKT TQPGDAIRSI LERMGCLEVEL VAQGEYDLS
 VTGPVALKGI EIDMSDIGEL TPTVAALAAL ASTESRLTGI AHLRGHETDR LAALTAEINK
 LGGKCTELKD GLLEIPASLH GGVWHSYADH RMATAGAIIG LAVDGVQVED IKTTSKTFPG

FENVWEEMVG

> RXA02469 (1-1431, translated) 477 residues
 MRFLNNSNPP YELTYSVDFM VPSRSDVGSR MSVDLRTNDG TGTTIPLVVA NMTAVAGRRM
 AETIARRGGM AILPQDVPAD IAAETIANVK KADLVFDTPV TVKPHHTVGY ARNLIHKRAH
 GAAIVLEGDQ PVGIVTDKDL EGADNFTQVG TLMSTSLTL PEDISPEDAF GILHEHSRKL
 APVVAADGSL RGILTRTGAL RATMYKPAID ANGRLRVGAA IGINGDIEGR TKTLLDAGAD
 VLVVDTAHGH QSTMISALKR IRALDVNVPI VAGNVVTADG VRDLVEAGAN IIKVGVGPGA
 MCTTRMQTGV GRPQFSVAVLE CAAEARKLGA HVWADGGVRD PRDVALALAA GASNMVGSW
 FSGTYESPGR LRFESDGRMY KESFGMASRR AVESRNQKVE AFEKARRAMF EEGISTARIY
 IDKRHGGVED LVDQIISGVR SSFTYAGADS IETFFERATV GVQSTEGYAE GKPRASR

> RXA02479 (1-390, translated) 130 residues
 VTELIQNESQ EIAELEAGQQ VALREGYLPV VITVSGKDRP GVTAAFFRVL SANQVQVLDV
 EQSMFRGFLN LAAFVGIAPV RVETVTTLGT DTLKVHGQSV VVELQETVQS SRPRSSHVVV
 VLGDVPDALD

> RXA02497 (1-927, translated) 309 residues
 VRLGVLDVGS NTVHLVAVDA RPPGHPTPMS NWRTPLRLVE LLDDSGAISE KGINKLTSV
 GEAADLAKTL GCAELMPFAT SAVRSATNSE AVLDHVEKET GVRLSILSGE DEARQTFLAV
 RRWYGSWAGR ITNLDIGGGS LELSSGTDES PDLAFSLDLG AGRLTHNWFV TDPFARKKIN
 LLRDYIDAEI AEPARQMRTL GPARLAVGTS KTFRTLARLT GAAPSSAGPH VTRTLTAPGL
 RQLIAFISRM TAADRAELEG ISSDRSHQIV AGALVAEAM RALDIDKVEI CPWALREGVI
 LTRIDKGLE

> RXA02499 (1-810, translated) 270 residues
 MTTIAVIGGG QIGEALVSGI IAAANMNPQNI RVTNRSEERG QELRDRYGIL NMTDNSQAAD
 EADVFLCVK PKFIVEVLSE ITGTLDNNSA QSVVVSMAAG ISIAAMEESA SAGLPVVRVM
 PNTPLVGKG MSTVTGGRYV DAEQLEQVKD LLSTVGDLVLE VAESDIDAVT AMSSSSPAYL
 FLVTEALIEA GVNGLPLPRAT AKKLAVASFE GAATMMKETG KEPSELRAGV SSPAGTTVAA
 IRELEESGIR GAFYRAAQAC ADRSEELGKR

> RXA02501 (1-1065, translated) 355 residues
 MSSEGRNHNW DYAAIGTPED FLASWSASRG NLRFFEDHA AAPINDAAQR QAGEAAATQA
 VAAIYGMELN EFNAGVDAVA GAIESAGAIH VSIPDPDVPQ DVGAAFFDV DNTLIQSSSL
 IVFAQGLFRK KFFTIKEILP VVWKQVKFKL TGSENADDVS RGREQALEFI KGRPVQELVD
 LCEEIVDQRM ADKMWPGTKQ LADMHIAAGH QVWLVSATPV QLAQILAQRL GFTGAIGTVA
 EAKDGVFTGR LVGDILHGPV KRHAVALAS IEQLDLTRCT AYSDSINDLP MLSMVGTAVA
 VNPDSKLKKE AETRGWDVRD FRSIRKATRE YGIPALVTAA FSVAGWSLRR RWRKQ

> RXA02503 (1-435, translated) 145 residues
 MTLKIGTRGS KLATTQAGTI RDQLKHYGRD AELHIVTTPG DVNMSPVERI GVGVTQALR
 DVLHSGECDV AVHSMKDLPT ATDPRFHLVV PTRADXRRXP YRXXRXXFXX SXQXXRWEL
 SAPRRISQLK AIRPDLEILP LARKH

> RXA02504 (1-438, translated) 146 residues
 MLVMLAYAGL TRVGMQDRAT EVFDADIIMP APAQGALAIE CRADDTETVR ALNMLMHADT
 FVSVAERTV LNRLEAGCTA PVAHAATLDG YSGDTMTLTA GUYALDGSQ LVFSAEGDGA
 RPEELGELVA QQLIDAGAN LLGDRS

> RXA02516 (1-1263, translated) 421 residues
 MSDFLNADGS LNVDKVREEF PILKRTVRDG KPLAYLDSGA TSQRPERVWR AEEHFVLHTN
 APVHRGAYQL AEEATDAYEG AREKIAAFVG AEQHEIAFTK NATEALNLVA YTLGDDRSRK
 YRVQAGDTV ITTELEHNL VPWQELCRRT GATLKWKYVT EDGRIDLDSL ELDETQKVV
 FTHQSNVTGA VADVPELVRR AKAVGALTVL DACQSVPHMP VNFHELDVDF SAFSGHKMLG
 PAGVGVVYAK SPILDELPPF LTGGSMIEVV TMEGSTYAAA PQRFEAGTQM TSQVVGGLGAA
 VDMLNEIGME AIAAHEHALT AYALEKLTAI KGLTIAGPLT AEQRGGAISF GVEGIHPHDL
 GQVLDDQGVN IRVGHHCAPV VHRSMNVQST ARASFYLYNT FEEIDRLAA IEKAKQFFGV
 E

> RXA02517 (1-447, translated) 149 residues

MNLEQMYQEV ILDHYNPQH KGLRDPFDAE VHHVNPSCGD ELTLRVKLSE DGSTVEDVSY
EAVGCSISQA STSVMAEEIV GQPVDKALEK LTFEKMIVS RGQFVGDEDL IGDGVAFSGV
AKYPARVKCA LLGWKAFQAA TADAVAHAA

> RXA02532 (1-1047, translated) 349 residues
MNPPITLSST YVHDSEKAYG RDGNDGWGAF EAAMGTLDGG FAVSYSSGLA AATSIADLVP
TGGTVVLPKA AYYGVNTIFA RMEARGRLKV RTVDADNTEE VIAAQQGADV VWVESIANPT
MVVADIPAIV DGVRGLGVLV VVDATFATPL RQRPLELGAD IVLYSATKLI GGHSDDLGLV
AVCKSEHHAQ FLATHRHDHG SVPGGLEAFL ALRGLYSLAV RLDRAESNAA ELSRRLNAHP
SVTRVNYPGL PDDPQHEKAV RVLPSCGNGM LSFELDATPE RTDEILESLS LLTHATSWGG
VETAIERRTR RDAEVVAEVP MTLCRVSVGI EDVEDLWEDL NASIDKVLG

> RXA02536 (1-756, translated) 252 residues
MDNFALLRDA AEKAAEQGAR VLVFPEATSQ SFGTGRDQTQ AEELDGEFST AVRKLADELD
VVIVAGMFTP ADTVQRGEKT ISRVNNTVLI SGAGLHQGYN KIHTYDAFGY RESDTPKPGD
ELVVFEVDDI KFGVATCYDI RFPEQFKDLA RNQAQIIVVP TSWQDGPGLK EQWEVLPRAR
ALDSTCWIVA CGQARLPEEL RDERKGPTGI GHSMVTNPHG EVIASAGYEP EMLIADIDVS
GLAKIREALP VL

> RXA02550 (1-1311, translated) 437 residues
VTTDKRKTST TTDANKAVG ADQAARPTRR TTRRIFDQSE KMKDVLVEIR GPVAAEAERM
ELDGHNILKL NTGNPAVFGF DAPDVMRDM IANLPTSQGY STSKGIIPAR RAVVTRYEVV
PGFPHFDVDD VFLGNGVSEL ITMTTQALLN DGDEVLPAP DYPLWTAATS LAGGKPVHYL
CDEEDDWNSP IEDIKSKISE KTKAIVVINP NNPTGAVYPR RVLEQIVEIA REHDLILAD
EIYDRILYDD AEHISLATLA PDLLCITYNG LSKAYRVAGY RAGWMVLTGP KQYARGFIEG
LELLAGTRLC PNVPQAHAIQ VALGGRQSIY DLTGEHGRLL EQRNMAWTKL NEIPGVSCVK
PMGALYAFPK LDPNVYEIHD DTQLMLDLLR AEKILMVQGT GFNWPVHDDH RVVTLPWASQ
LENAIERLGN FLSTYKQ

> RXA02559 (1-903, translated) 301 residues
MIPVLIDCDT GIDDALALIY LVALHKRGEI QLFGATTTAG NVDVKQTAIN TRWVLDQCGL
ADIPVLAGQP EPKHVPLVTT PETHGDHGLG YINPGHVEIP EGDWKQLWKE HLSNPETKLI
VTGPATNLAE FGPVENVTLM GGTLYLPGNT TPTAEWNTWV DPHGAKAFA AAQKPITVCS
LGVTEQFTLN PDILSTLINT LGSQPIAEHL PEMLRIFYFEF HEVQGEGLA QIHDLLTCMI
ALDKIPFSGR EVTVDVEADS PLMRGTTVAD IRGHWGKPAN AFLVETADIE AAHAELLRAV
E

> RXA02622 (1-1560, translated) 520 residues
MSDDRKAIR ALISVYDKTG LEDLAQALHR ENVEIVSTGS TAAKIAELGI PVTPVEELTG
FPECLEGRVK TLHPKVHAGI LADTRKEDHL RQLKELEVAP FQLVVVNLYP FAETVASGAD
FDACVEQIDI GGPSMVRAAA KNHPSVAVVV SPNRYEDVQE ALKTGGFSRA ERTKLAAEAF
RHTATYDVTV ATWMSEQLAA EDSETEFPGW IGTTNTLSRS LRYGENPHQS AALYVGNTRG
LAQAKQFHGK EMSYNNYTDS DAAWRAAWDH ERPCVAIKH ANPCGIAVSD ESIAAAHREA
HACDSVSAFG GVIASNREVS VEMANQVAEI FTEVIIAPSY EEGAVEILSQ KKNIRILQAE
APVRKGFESR EISGGLLVQE RDLIHAEGDN SANWTLAAGS AVSPEVLKDL EFAWTAVRSV
KSNAILLAKN GATVGVGMGQ VNRVDSARLA VDRAGAERAT GSVAASDAFF PFADGFVLA
EAGITAVVQP GGSIRDNEVI EAANKAGVTM YLTGARHFAH

> RXA02623 (1-591, translated) 197 residues
VNSDSTTTIV VLASGTGTL QSLIEAQGT SIVGVVSDVE CPALSRAADA GIDTAVVPLG
KDRAQWNHEL ADAVAVSDPD LVVSAGFMKI LGEGFLSRFP SRIINTHPAL LPSFPGAHAV
RDALAYGVKV SGSTVHLVDA GVDTGPIIAQ RAVPVEVNDD ESSLHERIKQ VERKLIVEVL
NSVEFSRQGG VQLNWRG

> RXA02629 (1-585, translated) 195 residues
MSKDPGLSLT DVVDTRVPLP DVEPDPEFLK ATEKEFHMAS QKRALVVLVG DHVAEADGTG
RLVTELLLES GFNVDAVVSV KSKKSQIRQA IETAVVGGAD LVLTIIGGVG GPRDKTPEAT
SAVLDQDVP IAQALRSSGL ACGAVDASVS RGVAGVSGST VVVNLAESRS AIRDGMATLT
PLVDFVVDQL RTSV

> RXA02645 (1-1830, translated) 610 residues

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MLKDLTGLRE LVLREMCHSI SHLSSPTGSI FTSLVAMLTs QSFSVWAPLP HDVHLILNGE
TLPMHKTEGS WWRAEIAPKA GDRYGFSLFD GSSWSKTLPD PRSTSQPDGV HGLSEVSDDS
YLWGDQQWTG RILPGSVLYE LHVGTfSEdG TFEGVVDKLP YLRDLGVTAI ELLPVQPFfG
NRNWGYDGVL WHAVHAGYGG PAGLKKLIDA SHQAGIAVYL DVVYNHFGPD GNYNQFGPY
TSGGSTGWGD VVNINGHDSd EVRNYILDAA RQWFEDFHVD GLRLDAVHSL DDRGAYSLLA
QLTMVAEDVS AQTGIPRS LI AESELNDPKF VTSREAGGFG LDAQWVDDIH HALHALVSGE
RNGYYSDFGS VDTLAKTLRE VFEHTGNYST YRGRNHGRPV HPDITPASRF VTYTTTHDQT
GNRAIGDRPS TTLTPEQQVL KAAIIYSSPY TPMLFMGEEF GATTPFAFFC SHTDPELNRL
TSEGRKREFA RLGWNADDIP SPELESTFTS SKLDWEFTAE QRRINDAYKQ LLHLRHTLGF
SQPNLLTLEV EHGENWLSMA NGRGRILANF SDDTITVPLG GELIYSFTSP TVTDTSTTLQ
PWGFAILTRN

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> RXA02646 (1-1269, translated) 423 residues
MASGAELIRA ADIQTAAQARI SSVIAPTPLQ YCPRLSEETG AEIYLKREDL QDVRsYKIRG
ALNSGAQLTQ EQRDAGIVAA SAGNHAQGVA YVCKSLGVQG RIYVPVQTPK QKRDRIMVHG
GEFVSLVVTG NNFDEASAAA HEDAERTGAT LIEPFDARNT VIGQGTVAEE IQRDLTSMGK
SADHVMVPVG GGGLLAGVVS YMADMAPRTA IVGIEPAGAA SMQAALHNGG PITLETVDPF
VDGA AVKRVG DLNYTIVEKN QGRVHMMSAT EGAVCTEMLD LYQNEGIIAE PAGALSIAGL
KEMSFAARSV VVCIISGGNN DVLRYAEIAE RSLVRRGLKH YFLVNFPOKP GQLRHFLEDI
LGPDDDITLF EYLKRNNRET GTALVGIHLS EASGLDSLLE RMEESAIDS RLEPGTPEYE
YLT

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> RXA02648 (1-525, translated) 175 residues
DAPDLAEAWD QINPEPSVKD YLDWIGTRID AINSAVKGLP KEQTRLHICW GSWHGHPHVTD
IPFGDIIGE I LRAEVGGFSF EGASPRHAHE WRVWEENKLP EGsVIYPGVV SHSINAVEHP
RLVADRIVQF AKLVGPENVI ASTDCGLGGR LHSQIAWAKL ESLVEGARIA SKELF

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> RXA02653 (1-1998, translated) 666 residues
MIPKPDVTDL YLEDLLNEGS EKIRSAKDLs ELRTVLKEVS SQIQRAGKK DEEWGMGATW
RELYPSIVER ASYEGRDSL I GFDHLAREME RLAFGPPSES FEYLQELVKS GVV DITHLHR
GREPLTDLVR ELEITVVIDA VLPPP GVVP G TLVHNLVKEG YARMRPGTRG LDVAADGTVQ
GQRHLAAVGR MTEDVV LGND TLSRSLHDII PKWARRVIRD ASTYPDRVHG TPPLPARLEP
WAEKLTSDPA TCRHLIEEFG SPVNVLSHGS MPRNINELVD AGIQMGVDTR IFFARKANKG
LTFVDAVKDT GHGVDVASER ELSQVLNRGV PGERIILSAA IKPDRLLALA IENGVIISVD
SRDELDRISA LVGDRVARVA PRVAPDPAVL PPTRFGERAA DWGNRLTEVI PGVDIVGLHV
HLHG YAAKDR ALALQECCQL VDSLRECGHS PQFIDLGGGV PMSYIESEED WIRYQSAKSA
TSAGYAESFT WKDDPLSNTY PFYQTPVRGN WLKDVLSKGV AQMLIDRGLR LHIEPGRSLI
DGC GVTLAEV AFVKTRSDGL PLVGLAMNRT QCRTTSDDFL IDPLHITDGD VGEEIEAYLV
GAYCIEDELI LRRRIRFPRG VKPGDIIGIP NTAGYFMHIL ESASHQIPLA KNVVWPEGQL
DDIDAD

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> RXA02658 (1-684, translated) 228 residues
MSQNRIRTH VGSLPRTPEL LDANIKRSNG EIGEEEFFQI LQSSVDDVIK RQVDLGIDIL
NEGEYGHVTS GAVDFGA WWN YSFTRLGGLT MTD TDRWASQ EAVRSTPGNI ELTSFSDDRD
RALFSEAYED PVSGIFTGRA SVGNPEFTGP ITYIGQEETQ TDVDLLKKGM NAAGATDGFV
AALSPGSAAR LTNKFYDTDE EVVAACADAL SQEYKIITDA GLTVQLDA

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> RXA02687 (1-945, translated) 315 residues
MSDAPTVVAY LGPAGTFTEE ALYKFADAGV FGDGEIEQLP AKSPQEAVDA VRHGTAQFAV
VAIENFVDGQ VTPTFDALDQ GSNVQIIAE ELDIAFSIMV RPGTSLADV K TLATHPVGYQ
QVKNWMATTI PDAMYLSASS NGAGAQMVAE GTADAAAAPS RAAELFGLER LVDDVADVGR
ARTRFVAVQA QAAVSEPTGH DRTSVIFSLP NVPGLSLRAL NEFAIRGVDL TRIESRPTRK
VFGTYRFHLD ISGHIRDIPV AEALRALHLQ AEELVFVGSW PSNRAEDSTP QTDQLAKLHK
ADEWVRAASE GRKLN

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> RXA02717 (1-882, translated) 294 residues
MPPRDDAAEE RLYRAAEVFH DLGASFVSVT YGAGGSTRE R TSRIARRLAK QPLTTLVHLT
LVNHTREEMK AILREYLELG LTNLLALRGD PPGDPLGDWV STDGGLNYAS ELIDLIKSTP
EFREFDLGIA SFPEGHFRAK TLEEDTKYTL AKLRGGAEYS ITQMFFDVED YLRLRDLRVA
ADPIHGAKPI IPGIMPITSL RSVRRQVELS GAQLPSQLEE SLVRAANGNE EANKDEIRKV
GIEYSTNMAE RLIAEGAEDL HFMTLNFTRA TQEVLYNLGM APAWGAEHGQ DAVR

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> RXA02754 (1-486, translated) 162 residues
PTNTKIVVSS DLDEFIAIAGL RGEFVDVFGV GTSVVTGSGA PTAGLVYKIG EVAGHPVAKR
SRNKESYGGG KKAVRTHRKS GTAIEEIVYP FNAEAPDTGK LDTLSLTIPL MRDGEIVPGL
PTLEDSRAYL AKQLVSLPWE GLALSRDEPV LHTRFVGFPF AA

> RXA02758 (1-435, translated) 145 residues
MGYQTAVVSG GFIQVLEGLA EELELDYVRA NTLEIVDGKL TGNVTGKIVD RAAKAEFLRE
FAADSGLKMY QTVAVGDGAN DIDMLSAAGL GVAFNAKPAL KEIADTSVNH PFLDEV LHIM
GISRDEIDLA DQEDGTFHRV PLTNA

> RXA02759 (1-111, translated) 37 residues
VLRLYPTLIT GEVIEMLAH AGKEAKVAAV TERAMRG

> RXA02768 (1-603, translated) 201 residues
LSFDPNTQGF STASIHAGYE PDDYYGSINT PIYASTTFAQ NAPNELRKGY EYTRVGNPTI
VALEQTVAAL EGAKYGRAFS SGMAATDILF RIILKPGDHI VLGNDAYGGT YRLIDTVFTA
WGVEYTVVDT SVVEEVKAAI KDNTKADLGG NPNQPSTLAL PDIEAXCKTS PERHQPQACC
LTTPSHSPYL QXPLKXXXHT Q

> RXA02771 (1-555, translated) 185 residues
VSEQALSTFD RAREALDKKT RYVQDFPEKG VLFEDLTPVL GDAESFVAVV DAMAEAAEKL
NAEIIIGGLDA RGFLGSAVA YKLGLGVLA I RKKGKLPPPV VTQEYELEYG TAALELPSEG
IDIAGKNIVL IDDLVATGGT LGAARKLIES CDGHVSGYVL AIEVPGLGGR DNLGDRPVIV
VRDPQ

> RXA02772 (1-780, translated) 260 residues
MSARLARSLT GNRVRTNPVL DPLLSIHRQF HPRADVQVLE RAYDTAERLH DGVIRKSGDP
YITHPLAVAT IAAEIGMDTT TLVAALLHDT VEDTDYSLDD LTRDFGEEVA RLVDGVTKLD
KVALGAAAEA ETIRKMIVAM SQDPRVLVIK VADRLHNMRT MRFLPPEKQA KKARQTLEVI
APLAHRLGMA SVKWELEDLS FAILYPKYE EIVRLVADRA PSRDRLKEI IDQVTGGLRE
NNIAAEVLGX XKHSGLSFKR

> RXA02773 (1-162, translated) 54 residues
MIVRGRDFDD IFDLVGIRXL XDNVNNWVRR XRCRALXXQC SXWXXQRLYF SPAL

> RXA02790 (1-1143, translated) 381 residues
MEPVYVKRRQ RFIAVTIASL ILIIGAIYI GVATSNRTPH DYEGSGNGVV QLVEIPEGSS
ISELGPELEE RDIVATNSAF QTAASNNPNA GSVQPGFYRL QEQMNAAAAV SALLDPDNQV
DLLDIHGGAT LMDVTVVGGN TRAGIYSQIA AVTCTEGSAN CITAEDLQOV ASTVSPAELG
VPDWAIAAVE ARGTDPKRLE GLIMPGQYV DPSNDAQGIL TDLITRSANH FQETDITGRA
DAIGLTPYEL VTAASLIERE APAGDFDKVA RVILNRLAEP MQLQFDSTVN YGLSEQEVAT
TDEDRTQVTP WNTYAMDGLP QTPIAAVSTE ALQAMENPAE GNWLYFVTID TDGTTVFNDT
FEEHEADIEQ ALNSGVLDN R

> RXA02791 (1-828, translated) 276 residues
LGSHITHRAA VLGSPIEHSK SPVLHNTGYK ALGLDQWEYD RFECTGDMLP GIVSGADETY
CGFSVTMPK FAALEFADEV TERACAIGSA NTLLRTATGW RADNTDVGDI RGALGELLGG
ASLAGKHAIV IGSGGTARPA IWALIEAGVA RITVLNRSR TAELOTLFDE TPTTLAYAPL
EHLHIEADV VSTVPSAIA GLEDTLAIAP VLDVIYDPWP TPLVEVTRAK GLKAVGGHVM
LAHQSYGQFE QFTGMDAPRD AMREALEESL GISEEH

> RXA02801 (1-435, translated) 145 residues
VGFDVARVRG LYTSLGDGWT YLNSHQIPQV PERVASGVAA AFRTHAQISE VTSQPIAVDQ
LEAAREAVAS LAGVDPDCVV LGPTRQFLAH TLARGLGGFV RRGAGVVLSR ADADWLTAPE
RSLDGVFSWA EPDLGTGMLP DWQYQ

> RXA02802 (1-468, translated) 156 residues
MAMEALKIIT GVGTPGIGL GYSSLDGTW EYIPVVGSP VLERVLGSAG VSGISGGFGE
VLDVPRVSAL VDGVS LIDVR EPSEFSAYSI PGAHNTPLSA IREGAIPPSV SAGKEVIVYC
AAGVRSQA I AILESAGYTG MSSLDGGIEG WLDSL

> RXA02805 (1-585, translated) 195 residues
VFPGVVDGIS HYGNCLGLPN IGGETVFDDDS YAGNPLVNAL CVGTLKVEDL KLAFASTGN
KVILFGSRTG LDGIGGVSVL GSASFEEGEE RKLPAVQVGD PFAEKVLIEC CLELYKAGVV
VGIQDLGGGG LACATSELA AGDGGMVRNL DNVPLRAENM SAAEILASES QERMCAVVTP
ENVERFLEIC AKWDV

> RXA02814 (1-471, translated) 157 residues
AKNLEEHSYV VNHLRTILEP LCSQFDAPTV PELTKTNEMW HLATPIVGTL KYPHITALEL
AIRTHPTPAI CGTPTDAAEA LIIEAESPRN FYAGAAGWCD STGDGEYMVA IRCAEVSEEDG
TWARAWAGGG IVAESDAQEE FDETTAKLQT IMRSLGL

> RXA02843 (1-891, translated) 297 residues
MTTASATGIA TLTSTGDVLD VWYPEIGSTD QSALTPLEGV DEDRNVTRKI VTTTIDTDAA
PTDTYDAWLH LHLSSHVRFR PHTINLDGIF GLNNVWVTN FGPCAVDGFAL LTRARLSRRG
QVTVYSVDKF PRMVDYVVPV GVRIGDADRV RLGAYLADGT TVMHEGFVNF NAGTLGASMV
EGRISAGVTV DDGTDVGGGA SIMGTLSSGG QHVISLGKRC LLGANSKCGI PLGDDCIIEA
GLYITAGTKV LFDGSLHKAS TLAGSNGLIF RRDSVSGQVV AVPNTKVVEL NTALHSN

> RXA02857 (1-513, translated) 171 residues
MDITIVNHPL VASRLTLLRD ERSNDAAFR AANDLGAMLI YEASRDLEVE HFDTKTPVAM
AEGTRLKQPP IIVPIIRAGL GMIDPALSMI PDAQVGFGL ARDEETHEPV PYLEALPQDL
SNQPVFLVDP MLATGGSLH AIRLLADRGATDITAICMVS AQPGVDALAE S

> RXA02879 (1-861, translated) 287 residues
ELADYIPELK SADPNPLAVA LCTVNGHIYS AGDDDIEFTM QSISKPFAYA LALQECGFDE
VSASVALEPS GEAFNELSLD GENRPMNPMI NAGAIINQL INGSSTVED RVEKIRHYFS
ELAGRELTID RVLAESLAG ADRNLSIAHM LRNYGVIEDE AHDAVLSYTL QCAIKVTRD
LAVMTATLAA GGTHPITGKK LLDARVCRLT LSVMASAGMY DEAGQWLSTV GIPAKSGVAG
GLIGILPGQL GIATFSPRLN PKGNSVRGVK IFKQLSDDMG LHLMSTE

> RXA02903 (1-483, translated) 161 residues
VSKLKGSRL LDVSGDHSF ADLAGRQVAH VDVVDPLINT TFEEFQPTQS YDAITFIASL
HHMNAEEGLN KAVRILNPGG KLLIVGLAKN KTASDWIISG LQAFSLRPIS LINREQQIYP
FPTKEPSESL HEIRQLTKQL LPHRRIRRG I HFRYLLEWTK P

> RXA02906 (1-498, translated) 166 residues
MTQSAPEFIA TADLVDIIGD NAQSCDTQFQ NLGGATEFHG IITTVKCFQD NALLKSILSE
DNPGGVLVID GDASVHTALV GDIIAGLGKD HGWSGVIVNG AIRDSAVIGT MTFGCKALGT
NPRKSTKTGS GERDVVVSIG GIDFIPGHYV YADSDGIIVT EAPIKQ

>RXN00023 TRANSLATE of: rxn00023.seq check: 8571 from: 1 to: 3456
MTSMNLPIEL ATLSQAVDK VRSWLEYSK ESVPNADAKR LAAVLQDPNG LEFTVGFVDR
VVRTEDREAA AHALYELGKI APSTMSFLDR AQIQAGSLVG RALPQVVVPA ARARIRQMGV
HMIVDARDKQ FAKAVAEIQS DGHRLNINLL GEAVLGRKEA AKHLDDTVRL LRRPDVEYVS
IKVSSVASQI SMWGFEDTVN YVVEQLTPLY IEAARAPKGT KFINLDMEEY RDLRLTMEVF
KRLLSNPELH ELEAGIVLQA YLPDALGAIQ DLAQFGRERV NTGGAGVKVR LVKGANLPME
HVHAQITGWP VATEPSKQAT DANYKRVLYW TMRKENMEGL RLGAVAGHNLF DIAFAHLLSV
ERGVADRVEF EMLQGMASDQ ARAVSVDVGE LLLYVPAVRP QEFDVAYSIL VRRLEENAAS
ENFMSAIFDL DADNPSFKRE ESRFRASISD LATLIDVPAP GPNHTQDRSK ETLLDAPLVP
FINEPDTNPA LIQNQWATK AVATAAEPGW LEKQTKPEVL EEGDVVDKLN DVRDAEAWA
ARPARERAEI LYKTAEILRV RRGHLISVTA AEVGKAVEQT DPEISEAIDF ARYYAHLALE
LDDVDNAEFT PDRVVVVTPP WNFPIAIPAG STFAALAAGA GVIHKPSKPS QHCSAAVVEA
LWEAGVPREV LHCIYPANRD VGCALISHEH VDRVILTGS ETAAMFSSWR PELTINGETS
GKNAIVVTPS ADRDLAVADL VKSAFGHAGQ KCSAASLGIL VGSVYESERF RKQLVDAASS
LIVDWPTNPS ATVGPLTELP SDKLHHALTT LEEGESWLLK PRQLDDTGRL WSPGIKEGVK
PGTFFHLTEV FGPVLGLMKA TDLNEAIEFQ NGNDFGLTGG LQSLDADEV R TWLDHVDVGN
AYVNRGITGA IVQRQSFQGW KKSSVGLGSK AGGPNYVMLM GTWADAPSHH APRETNPLIS
KLDLPGEEL WLEKANASDE TAWNTEFGSP RDPSSGLDVEA NIFRYRPAEV VLRLLDSATP
RETARALLAA RRAGVTPRVL QTPGVSEQVR EVLSAAGVSA ETVDDSVFIS NVLRGEYDEN
SSVRVRYLGK VSOTVRERLS VRPEVVLDD AVTASGRVEL RYWLKEQAIS MTLHRRFGNPV

AAFHELAEEEL KR

>RXN00076 TRANSLATE of: rxn00076.seq check: 5232 from: 1 to: 1371
 MTTPLRVAVI GAGPAGIYAS DLLIRNEERE VFVDLFEQMP APFGLIRYGV APDHPRIKGI
 VKSLHNVLDK PRLRLLGNIIE IGKDITVEEL RDYYDAVVFS TGAVADRDLN IPGIEAEGSF
 GAGEFVGFDYD GNPRFERSWD LSAQSVAVIG VGNVGLDVAR ILAKTGDELK VTEISDNVYD
 SLKENKATEV HVFGRRGPAQ VKFTPQELKE LDHSPTINVV VDPEDIDYDG ASEEARRASK
 SQDLVCQILE QYAIAREPKDA PHTLQIHLFE NPVEVLQKDG KVVGLRTERT SLDGNGGVNG
 TGEFKDWVPQ AVYRAVGYS DPIDGVPFDE NKHVIPNDGG HVLTAPGAEP VPGLYATGWI
 KRGPIGLIGN TKSDAKETTD ILIKDAVAGV LEAPKHQGEE AIELLDSRN IPFTTWEGWY
 KLDAAERALG EAEGRRERKKI VDWEEMVRQA REAPAIV

>RXN00116 TRANSLATE of: rxn00116.seq check: 3330 from: 1 to: 1161
 MSNDFVVSRL RPFGETIFAT MTQRAVEAGA INLGQGFPE DGPRRMLEIA SEQILGGNNQ
 YSAGRGDASL RAAVARDHLE RFDLEYNPDS EVLITVGATE AITATVLGLV EPGDEVIVLE
 PYYDAYAAAI ALAGATRVAV PLQEVENSWD VDVDKLHAAV TKKTRMIIIVN SPHNPTGSVF
 SKKALKQLAG VARAYDLLVL SDEVYEHVLF DDQKHVSVAK LPGMWDRVT VSSAAKTFNV
 TGWKTGWALA PEPLLEAVLK AKQFMSYVGA TPFQPAVAHA IEHEQKWVSK MSKGLELKR
 ILRTALDKAG LKTHDSMGTY FIVADIGDRD GAFCFELIE KVGVAIPVQ AFVDHPKKWS
 SKVREAFCKK EETLREAAER LKGIKKL

>RXN00132 TRANSLATE of: rxn00132.seq check: 6992 from: 1 to: 1434
 MAQVMDFKVA DLSLAEAGRH QIRLAIEYEMP GLMQLRKEFA DEQPLKGARI AGSIHMTVQT
 AVLIETLTAL GAEVRWASCN IFSTQDEAAA AIVVSGTVE EPAGVPVFAW KGESLEEYWW
 CINQIFSWGD ELPNMILDDG GDATMAVIRG REYEQAGLVP PAEANDSDEY IAFGLMLREV
 LAAEPGKWK IAEAVKGVTE ETTTGVHRLY HFAEEGVLPF PAMNVNDAVT KSKFDNKYGT
 RHSLIDGINR ATDMLMGKN VLVCGYGDVG KGCAEAFDQG GARVKVTEAD PINALQALMD
 GYSVTVDEA IEDADIVITA TGNKDIISFE QMLKMKDHAL LGNIGHFDNE IDMHSLLHRD
 DVTRTTIKPQ VDEFTFSTGR SIIVLSEGR LNLGNATGHP SFVMSNSFAD QTIAQIELFQ
 NEGQYENEVY RLPKVLDEKV ARIHVEALGG QLTETLKEQA EYIGVDVAGP FKPEHYRY

>RXN00198 TRANSLATE of: rxn00198.seq check: 9286 from: 1 to: 549
 MYPNLFRTAT AHEEGEYIIT GDESADEIAA LGLAERAAGS TLGERKFAVN TVEFHGNNGH
 VTGLTGNQIR VVNGKREPIE GTEFPFEADL VLVALGFTGA EQGGLAHEL GVGDDRGRIL
 RDSEYRSPTN SRVYIAGDNG RGQSLIVWAI AEGRACAAAI DADLMGETAL PVAVAPQDVP
 LAV

>RXN00262 TRANSLATE of: rxn00262.seq check: 6430 from: 1 to: 1074
 MLYLDNAATT SVRNEALEAM WPLYLTGAFGN PSSPHEVGRL ASAGLEDART RVARIIGGRP
 TQVTFSTSGS EANNLAIKGA CLANPRGRHL ITTPIEHDSV LETAAYLERF HDFEITYLSP
 DHTGLISPEG LRKAVRPDPT LISIGYANNE VGTIQPIAEL AAVSSTPFHT DAVQAAHLTF
 DLGVDALSLS GHKFGAPKGI GVLWSKPLE PVIHGGGQEK GRRSGTENVA GAIAFAALE
 LARAESYDPL GEFIEEVLTI PGAHLTGHP MRIDGHASFL FDSIGSETVL LELEQGIVC
 SPGSACSGSE VSHVLLALGL EEDQARTAVR CTFSTTHSRE DALVAASALK SAVALIRG

>RXN00351 TRANSLATE of: rxn00351.seq check: 7296 from: 1 to: 1455
 MDDSNSFVVV ANRLPVDMTV HPDGSYSISP SPGGLVTGLSPVLEQHRGCWV GWPPTVDVA
 PEPFRDTGV LLHPVVLTA DYEGFYEGFS NATLWPLFHD LIVTPVYNTD WWHAFREVNL
 KFAEAVSQVA AHGATVWVQD YQLLLVPGIL RQMRPDLKIG FFLHIPFPSP DLFRQLPWRE
 EIVRGMLGAD LVGFHLVQNA ENFLALTQQV AGTAGSHVGQ PDLQVSGEA LVREIGAHVE
 TADGRRVSVG AFPISIDVEM FGEASKSAVL DLLKTLDEPE TVFLGVDRLD YTKGILQRL
 AFEELLESGL LEADKAVLLQ VATPSRERID HYRVSRSQVE EAVGRINGRF GRMGRPVVHY
 LHRSLSKNDL QVLYTAADVM LVTPFKDGMN LVAKEFVANH RDGTGALVLS EFAGAATELT
 GAYLCNPFVD ESIKRQMVAA VHDLKHNPE AATRMKTNSE QVYTHDVNVW ANSFLDCLAQ
 SGENS

>RXN00355 TRANSLATE of: rxn00355.seq check: 5514 from: 1 to: 1020
 MHLGKLDQDS ATTILEDYKN MTNIRVAIVG YGNLGRSVEK LIAKQPDMDL VGIFSRATL
 DTKTPVFDVA DVDKHADDVD VLFLCMGSAT DIPEQAPKFA QFACTVDITYD NHRDIPRHRQ
 VMNEAATAAG NVALVSTGWD PGMFSINRVY AAAVLAEHQQ HTFWGPGLSQ GHSDALRRIP

GVQKAVQYTL PSEDALEKAR RGEAGDLTGK QTHKRQCFVV ADAADHERIE NDIRTMPDYF
VGYEVEVNFI DEATFDSEHT GMPHGGHVIT TGD TGGFNHT VEYILKLDRN PDFTASSQIA
FGRAAHMRKQ QGQSGAFTVL EVAPYLLSPE NLDDLIARDV

>RXN00365 TRANSLATE of: rxn00365.seq check: 223 from: 1 to: 627
MILSPSKTFE LEIVEKAFRE GWVQPVIPSM STGLSVAVVG SGPAGLAAAQ QLTRAGHSVT
VFERDDRLGG LMRYGVPEYK MENRWIDRRI EQMEAEGTTF QVGTSPRAAE LALFDAILLA
TGTPVARELS VPGHDLNGIH AAMDYLTAQN RINEGDGEVS PINAKGKKVV IIGGGDTGTD
CFG TALRQGA ESVTQFDIRP RAPFQRADS

>RXN00367 TRANSLATE of: rxn00367.seq check: 6400 from: 1 to: 4530
MKPQGLYNPA HEHDACGVAF IADIHGRPSR SIVDRALEAL RNIDHRGAAG AEKNTGDGAG
ILMQIPDGFY REVSGIELPE AGEYATGIAF LPRGRMAMMD AQKEIERIAK QEGADV LGWR
MVPFDSRD LG SMAEEAMP SF AQIFLTVPGK SGEDLDRVMF FIRKRCEREL GTTNGRDTVY
FPSLSSRTII YKGM LTTLLQ L EGFEDLGD A RLESAIAIVH SRFSTNTFPS WPLAHPYRFV
AHNGEINTVR GNENWMRARE ALIKNDKLG N LSSVLPIC TP EGSDTARFDE ALELLHLGGY
SLPHAVAMMI PQAW EHNK TL SP ELRDFY EY HSCLMEPWDG PAALAF TDGR FVGAVLDRNG
LRPGRITITD SGLVVMASES GVL DLREESV VKRTRVQ PGR MFLVDTA EGR IVEDEEIKQK
LSEAQPYGEW IRDNFVHLDR LPQTRYNYMA HSR AVL RQRV FGITEEDVDL LLLPMARQGA
EAIGSMGSDT PIAALSQRPR MLYDFFAQRF AQVTNPPLDS IREKPV TSMF TLLGAQSDVL
NPGPDAARRI RLESPIIDNH ELATLINANA HGEWDSFGAA VISGLYPVAH HGAGM KAAIA
RVRREVSEAI R NGKTLIVLS DRESDERMAP IPALLT SAV HQYLVQQRTR TQCSLVVESG
DAREVHHLAM LIGFGADAIN PYMAFETIDE LRMKGQLGDL SLDEASRNYI KAATRGVLKV
MSKMGIATVS SYRGAQLADV TGLHQDL LDN YFGGIASPI S GIGLDEVAAD VEARHRS AFL
PRPEEHAHRE LDLGGEYKWR REGEYHLFNP ETIFKLQHAT RSGSYEIFKD YTRKVDQST
RLGTIRGLFE FSTDRKPISV SEVEPVSEIV KRFSTGAMS Y GSISAEAEHV LAIAMNRLGG
MSNSGEGGED ARRF DVEPNG DWKRS AIKQV ASGRFGVTSH YLNNCTDIQI KMAQGA KPGE
GGQLPPNKVY PWVAEVRITT PGVGLISPPP HHDIYSIEDL AQLIHDLKNA NPRARIHVKL
VAEQGVGTVA AGVSKAHADV VLISGH DGGT GASPLTSLKH AGGPWELGLA ETQQTLL L NG
LRDRIRVQCD GQLKTGRDVV IAALLGAE EF GFATAPLVVE GCIMMRVCHL DTCPVGIATQ
NPDLRSKFTG KAEHVVNFFT FIAQEVREYL AQLGFRSIDE AVGQAQVLRK RSGIPADSRA
AHLDSLPIFH RPETPHFTQ DVRCTKTQEH SLEKALDNAF IDKASDTITR AAAGVETSIV
IDSSISNVNR SVGTMLGS AV SRVAGAQGLP DGTITLNLQF CAGNSFGAFI PRGITINLTG
DANDFVGKGL SGGKIVIKPS AQAPKQLKNN PNIIAGNVLG YGATSGELFI RGQVGERFCV
RNSGATAVVE GIGNHGCEYM TGGRVLVLGP VGENFGAGMS GGIAYLANSP DLNQKINGEL
VDVVP LSADD LTWAD ELIAR HREL TGSETK LRAQDLVKIM PRDFQKVLNI IETAHAEGQD
PAIKIMEAVS

>RXN00371 TRANSLATE of: rxn00371.seq check: 9489 from: 1 to: 1794
MTIAHKPEMA ETTGIETNQV SETIGVESLT HG NLRPVSSF EGQHEGQTEE LLPGKVIFVG
AGPGNPDLT VRAREVLGNA VRAITDEQVL SGVRAFVATE IPV PEDKLQA AEDEYERICI
EAKENGARRK PPRPAPTAA EITEVSEATP AQIVELVQDA LSYGGDVIRL VTGNPLSSDA
TLAEISAVSE AGLEFQVVP G MSLPATVPAF AGIALGSTYT ETDVNGQNL D WDQLASAPQP
LVLQARVDDL SRIAQELKAR NMSLET PVS V TANGTTRLQR TYDTTLG LLH KLDAELSGPL
VVTLGKGVDD RSKYSWENR ALYGWRVLPV RAREQAASMS ARLSSHGAIP QEVPTISVEP
PRNPAQ MERA IKGIVEGRYQ WVVLTSVNAV KAVWEKITEF GLDSRSFAGV RIAAVGEKTA
AEIRALGITP ELLPARTRQN AQGLVDVFPE YFEELDPVGR VLLPRADIAT DVLVDGLTHL
GWEVEDVVAY RTVRAAPPSA DIRDMIKTGG FDAVAF TSSS TVKNLVGIAG KPHPRTIVAC
IGPMTAATAE ELGLRVDVMP EIAEVP ELID ALAEHVADLR AKGELPPPRK KRRRRKAS

>RXN00383 TRANSLATE of: rxn00383.seq check: 2070 from: 1 to: 1344
MRFAIIGAGL AGLTAA YEIH KADPTAQIDV LEAGERIGGK LFTVPFASGP TDIGAEAF LA
ARSDAVEFFT ELGLADSLVS PSAAKSQYFA GGALHAFPAG GVMGIPSNPP AGAQDTAFDW
TPGQDISVGA LVRRQYGDEI VDTVVSLLG GVSSTADDL GVRASVPALA AALDQLAEAG
EPVTL SAAVK AVEAQREAAK TTSETRPVFQ TFKGGYAE LY EALAEQCGAD IHLDSFVSAI
TKDGEGFAIK GGEGETYDKV ILAVPAPTAA VLLRDLAPAA APHLRAIKLA SSAVVGMRFD
SSEGLPDNSG VLVAVNEPGI TAKAFTFSSK KWP HLEARGG ALVRASFGR L GDEASARMDE
DLLVDAALDD LLTITGFDGR AAGLGEIFVQ RWFGGLPAYG VDHIATVSAA RAEIAAVPGV
EAIGAWAGGVGVP AVIADAQA AVHRL LG

>RXN00402 TRANSLATE of: rxn00402.seq check: 8345 from: 1 to: 600

TDEKDGKPV L PYFVTPDAAY HGLKYADLGA PAFGLKVRVG LLRDTGSTLS AFNAWAAVQG
 IDTLRLRLER HNENAIKVAE FLNNHEKVEK VNFAGLKDSP WYATKEKLG L KYTGSVLTFE
 IKGGKDEAWA FIDALKLHSN LANIGDVRSL VVHPATTTTHS QSDEAGLARA GVTQSTVRLS
 VGIETIDDI I ADLEGGFAAI

>RXN00403 TRANSLATE of: rxn00403.seq check: 6647 from: 1 to: 1131
 MPTLAPSGQL EIQAIGDVST EAGAIITNAE IAYHRWGEYR VDKEGRSNV L LIEHALTGDS
 NAADWWADLL GPGKAINTDI YCVICTNVIG GCNGSTGPGS MHPDGNFWGN RFPATSIRDQ
 VNAEKQFLDA LGITTVA AVL GGSMGGARTL EWAAMPETV GAAAVLAVSA RASAWQIGIQ
 SAQIKAIEND HHWHEGNYE SGCNPATGLG AARRIAHLY RGELEIDERF GTKAQKNENP
 LGPYRKPDQR FAVESYLDYQ ADKLVQRFDA GSYVLLTDAL NRHDIGRDRG GLNKALESIK
 VPVLVAGVDT DILYPYHQE HLSRNLGNLL AMAKIVSPVG HDAFLTESRQ MDRIVRNFFS
 LISPDENPS TYIEFYI

>RXN00420 TRANSLATE of: rxn00420.seq check: 7740 from: 1 to: 1464
 MNSSHGTSSS GASAGAHGAL PLEAQKLNW GRTAPTAEV LTTPDLDIIV DAVRQVAEQN
 DSKPDYLRG VIARGMGRSY GDPAQNAGGL VIDMQPLNKI HSIDPDSAIV DVDGGVTL DQ
 LMKAALPYGL WVPVLPGTRQ VTIGGAIGPD IHGKNHHSAG SFGDHVVSME LLVADGRILH
 LEPEGTAEDP QGDLFWATVG GMGLTGIIVR ARIRMTKTET AYFIADTDRT NNLEETVAFH
 SDGSEHNYTY SSAWFDVISP EPKLGRSTIS RGSLATLAQL EELAPKLAKD PLKFNAPQLM
 KVPDIFPSWT LNKLTLSAVG VAYYAMGAPA KNQVKNLTQF YQPLDLIGEW NRGYGSKGFL
 QYQFVVPTEA VEPFKDIIRD MQKSGHYSAL NVFKLFGPGN RAPLSYMPMG WNVCVDFPIR
 PGLGAFLDDL DKRVMFEGGR LYLAKESRTS AENFHAMYPG MEGWLKTRNE IDPTGVFASD
 MSRRLELS

>RXN00435 TRANSLATE of: rxn00435.seq check: 2922 from: 1 to: 1173
 VGFDVARVRG LYTSLGDGWT YLNSHQIPQV PERVASGVAA AFRTHAQISE VTSQPIAVDQ
 LEAAREAVAS LAGVDPDCVV LGPTRQFLAH TLARGLGGFV RRKAGVVL SR ADADWLTA PF
 RSLDGVFSWA EPDLGTGMLP DWQYEKLVDG STRLVLSAA HPLLGT VAPV GKIVDKVRAR
 SRAWVLVDAT TYAAYRPLRL DEWEADIVML DLGELGGPQI SALIFRDTSM FPRLDRTVPL
 ELPASSLPHG LLGGVPNLVR HLGNL DENAP SVVEAMGEMA KFHKLFEHL VESLEGLHAV
 HIVGISGDAA GQDAPFLDRV PRLTFTMEGV PADMVYRRI V DNRLITTVSP ADPLLEAMGV
 TEAGGSITIG LSPFSTYYEV DQLTRVLASL A

>RXN00437 TRANSLATE of: rxn00437.seq check: 8249 from: 1 to: 456
 MNTDPAYVAE QTGKLIDAF L TTDPLEPLLD AAKNGVCTEA MGALVTFEGI VRDHDGGARV
 TSLTYTAHPT APQVLSAVAD SIVEKHPRTR LWTAHRTGAL KIGDAAFLV V AASAHRADAF
 AACSDLADAV KAQVPIWKEQ TRLDGSTDWV GL

>RXN00439 TRANSLATE of: rxn00439.seq check: 3994 from: 1 to: 468
 MSELTHVRAD GSAHMDVDTG KNETSRTAVA EGFVKMRGDV VKQLFSAGLP KGDALPVARI
 AGIMGAKKTP DIIP LCHPLP LGKITVDFFE LTDGVRIEAS VKTRGVTGVE MEALTAVSTA
 ALTVYDMIKA VDKMAVIDGI RVLSKTGGKS GDWSVQ

>RXN00441 TRANSLATE of: rxn00441.seq check: 2659 from: 1 to: 1164
 MSRSPEQH LA EISALLPPQK STFVNLREAL GRTFSAVTA QWDSRPF DNS QMDGFALGPS
 HLNGGTF AVG PTIPAGHDPD QWYPRGIEKD IAPIMTGARL PKNTAAIIPV EKTTPGNFDA
 PQVEIPATPQ GQFIRLQGS D ITAGDEIIPA GTELNSVHIG VLASQSIKSI EVAAKPRVLI
 ITGGSEISEQ HGPATIPDAN GPLLRSLCAR NNIEVIAGLH TNDDPERLRF ELENAIDQYQ
 PDVIITSGGI SHGKFEVFRQ ILEGTPNSWF GHVDQQPGGP QGISTFAETP VISLPGNPIS
 TLVSFTLLVA PALNRQPLRH LDARITAPVQ GLQDNREQFL RGTISYRNGP RPRHASPGHQ
 FPPAGSSCHR RLSDQDPGAD YGGGKRHR

>RXN00446 TRANSLATE of: rxn00446.seq check: 3948 from: 1 to: 864
 MGAVELREAL AEHLEVEFDQ VTVGCGSSAL CQQLVQATCA QGDEVIFPWR SFEAYPIFAQ
 VAGATPVAIP LTADQNHDLD AMAAAITDKT RLIFICNPNN PSGTTITQAAQ FDNFMEKVPN
 DVVVGLDEAY FEFNRADDT P VATEEIHRHD NVIGLRTFSK AYGLAGLRVG YAFGNAEIIA
 AMNKVAIPFA VNSAAQAAAL ASLNSADELM ERVEETVEKR DAVVSALGAA PTQANFVWLP
 GEGAAELAAK LAEHGIVIRA FPEGARISVT NAEETDKLLR AWEAINAG

>RXN00448 TRANSLATE of: rxn00448.seq check: 8725 from: 1 to: 1020

VTTKDISRPV CILGLGLIGG SLLRDLHAAN HSVFGYNRSR SGAksAVDEG FDVSADLEAT
 LQRAAAEDAL IVLAVPMTAI DSLLDVAVHTH APNNGFTDVV SVKTAVYDAV KARNMQHRYV
 GSHPMAGTAN SGWSASMDGL FKRAVWVVT F DQLFDGTDIN STWISIWKDV VQMALAVGAE
 VVPSRVGPHD AAAARVSHLT HILAETLAIV GDNGGALSLS LAAGSYRDST RVAGTDPGLV
 RAMCESNAGP LVKALDEALA ILHEAREGLT AEQPNIEQLA DNGYRSRIRY EARSQORRAK
 ESVSPITISS RPVLRLLHPT PNWEKQLIHA ETLGARIEVF

>RXN00450 TRANSLATE of: rxn00450.seq check: 3072 from: 1 to: 324
 VGVLPVQARI KDDERRMRHA LDIARQTPEG DVPVGAVIYA PTGEILATAT NRREADRDPT
 AHAEIIALRR AARRFSDGWR LSDCTAVVT L EPCSMCAGAL VGARIGRI

>RXN00487 TRANSLATE of: rxn00487.seq check: 2450 from: 1 to: 1569
 VSLQTNHRPV LVVDFGAQYA QLIARRVREA GIYSEVIPHT ATADDVRAKN AAALVLSGGP
 SSVYAEAGPS LDAEILDLGL PVFGICYGFQ AMTHALGGTV ANTGKREYGR TDINVAGGVL
 HEGLEACHKV WMSHGDAVSE APEGFVVTAS SEGAPVAAFE NKERKMAGVQ YHPEVLHSPH
 GQAVLTRFLT EIAGLEQNWTF AANIAEELIE KVRQIGEDG RAICGLSGGV DSAVAGALVQ
 RAIGDRLTCV FVDHGLLRAG EREQVEKDFV AATGAKLVTV DERQAFLSKL AGVTEPEAKR
 KAIGAEFIRS FERA VAGVLE EAPEGSTVDF LVQGTLYPDV VESGGGSGTA NIKSHHNVG
 LPDDVEFKLV EPLRDLFKDE VRAVGRELGL PEEIVGRQPF PGPGLGIRII GEVTEDRLET
 LRHADLIART ELTEAGLDGV IWQCPVLLA DVRSVGVQGD GRTYGHPIVL RPSSEDAMT
 ADWTRLPEYEV LEKISTRITN EVPDVNRVVL DVTSKPPGTI EWE

>RXN00488 TRANSLATE of: rxn00488.seq check: 2147 from: 1 to: 1518
 MTTQSRVSTG GDNPNKVALV GLTFDDVLLL PDASDVVPSE VDTSTQLTRN IRLNTPILSA
 AMDTVTEAM AIGMARHGGI GVLHRNLSIQ EQAENVELVK RSESGMVTDP VTCTPDMSIQ
 EVDDL CARFR ISGLPVVDEA GKLVGICTNR DMRFESDMNR RVAEVMTPMP LVVAEEGVTK
 EQALALLSAN KVEKLPIIAK DGKLVGLITV KDFVKTEQHP NASKDASGRL LVAAGIGTGE
 ESFQRAGALA DAGVDILVVD SAHAHSRGVL DMVSRVKKSF PKVDIVGGNL ATREAAQAMI
 EAGADAIKVG IGPGSICTTR VVAGVGAPQI TAIMEAAVPA HKAGVPPIAD GGMQFSGDIA
 KALAAGANSV MLGSMLAGTA EAPGETITIN GKQYKRYRGM GSMGAMQGRG LSGEKRSYSK
 DRYFQSDVKS EDKLVPEGIE GRVPFRGPIG DIIHQVGGGL RAAMGYTGSS TIEELHNARF
 VQITSAGLKE SHPHHIQQT V EAPNYH

>RXN00508 TRANSLATE of: rxn00508.seq check: 3320 from: 1 to: 1083
 MNLLTTKIDL DAIAHNTRVL KQMAGPAKLM AVVKANAYNH GVEKVAPVIA AHGADAFGVA
 TLAEAMQLRD IGISQEVLCW IWTPEQDFRA AIDRNIDLAV ISPAHAKALI ETDAEHIRVS
 IKIDSGLHRS GVDEQEWEGV FSALAAAPHI EVTGMFTHLA CADEPENPET DRQIIAFRRA
 LALARKHGLE CPVNHVCNSP AFLTRSDLHM EMVRPGLAFY GLEPVAGLEH GLKPAMTWEA
 KVS VVKQIEA GQGTSYGLTW RAEDRGFVAV VPAGYADGMP RHAQGFVSVT IDGLDYPQVG
 RVCMDQFVIS LGDNPHGVEA GAKAVIFGEN GH DATDFAER LDTINYEVC RPTGRTVRAY
 V

>RXN00536 TRANSLATE of: rxn00536.seq check: 8919 from: 1 to: 1371
 MSPNDAFISA PAKIETPVGP RNEGQPAWNK QRGSSMPVNR YMPFEVEVED ISLPDRTWPD
 KKITVAPQWC AVDLRDGNQA LIDEMSPERK RRMFELLVQM GFKEIEVGFP SASQTD FDFV
 REIIEKGMIP DDVTIQVLVQ AREHLIRRTF EACEGAKNVI VHFYNST SIL QRNVVFRMDK
 VQVKLATDA AELIKTIAQD YPDTNWRWQY SPESFTGTEV EYAKEVVDV VEVMDPTPEN
 PMIINLPSTV EMITPNVYAD SIEWMHRNLN RRDSIILSLH PHNDRGTGVG AAELGYMAGA
 DRIEGCLFGN GERTGNVCLV TLALNMLTQG VDPQLDFTDI RQIRSTVEYC NQLRVPERHP
 YGGDLVFTAF SGSHQDAVNK GLDAMAAKVQ PGASSTEVS W EQLRDRMGG SLPAYRSKGC
 RSRLRGCPYR ELPVRQGRRC LHHEDRSRSA DPSLHAG

>RXN00537 TRANSLATE of: rxn00537.seq check: 1265 from: 1 to: 2286
 MSTFVNDTVE DAIKTPELDQ PFEALGLKDD EYARIKEILG RRPTDAELTV YSVMWSEHCS
 YKSSKVHLRY FGETTTEEMA SKILAGIGEN AGVVDIGDGN AVTFRVESHN HPSFVEPHQG
 AATGVGGIVR DIMAMGARPI AVMDQLRFGA LDNPDTQRVF PGVVDGISHY GNCLGLPNIG
 GETVFDDSYA GNPLVNALCV GTLKVEDLKL AFASGTGNKV ILFGSRTGLD GIGGVSVLGS
 ASFEEGEERK LPAVQVGDPF AEKVLIECCL ELYKAGVVVG IQDLGGGGLA CATSELAAAG
 DGGMRVNLDN VPLRAENMSA AEILASESQE RMCVVTPEN VERFLEICAK WDVTC AEIGE
 VTDEKDRYV VHNGEVVIDA PPSTIDEGPV YNRPVARPEN QDELQLEGEI ARPVDVEEIK
 AAWLKLVASP ALASRAFITE QYDRYVRGNT VQAKNANAGV LRIDEETNRG VAISADASGR

YTKLEPNTGA QLALAEAYRN VVSTGARPVA VTNCLNFGSP ENAGVMWQFK EAVHGLADGS
 KLLGIPVSGG NVSFYNQTDG EPILPTPVVG VLGVLNVEQ SIGNVLPSD NDLYLLGETF
 DEFGGSIWQQ VSGAGLNGLP PVVDLLNEQR LADLFVGS DL FAASHDLSEG GLGQTLAELA
 IHQKKGMDVD LSQIHPSLFT SLFAESASRI VVATNRGEEL EKRAAELGVP VFKLGCTNDS
 AVIAVKGADV EFTVSVEELR EAWTNTLPEA FGHAVGANAV VA

>RXN00558 TRANSLATE of: rxn00558.seq check: 6587 from: 1 to: 1347
 VVKKPAGIAV GDGEQILVFK DLGLVSQVFD QPIESLRGN IAIGHTRYTT AGGNTWENAG
 PMFRMAPDGT DIALGHNGNL INYIELLDKA TELGLVDPK KPSD TDVLTG LLASGVHDGN
 NLFDSA KELL PSVKGAYCLT FTDGHTLYAA RDPFGIRPLS IGRLERGWV ASETAALDIV
 GASHVREVEP GELIAIDESG LKSARFAETT RKGCVFYVY LARPD SVIKG RNVNEARLEI
 GRKLAAEAPA VGDLVIPTPE SGTPAAVGFA QASGIPFGQG MVKNAYVGRT FIQPSD TLRQ
 LGIRLKLNPL REVIAGKRLV VVDDSIVRGN TQRAVIRMLR EAGAAEVHVR IASPPVKWPC
 FYGIDFATPG ELIANAVTSD NEAEMVEAVR SAIGADTLGY VSIDSMVAAT EQPANELCIA
 CFDGKYPMGL PQGNSNADLV RKMQATASS

>RXN00618 TRANSLATE of: rxn00618.seq check: 4181 from: 1 to: 1107
 MQMLDRVHRR RREGKDTLMF CAGQPSTGAP EAVIEEAEIA LRSGPLGYTE VIGDREFRER
 IADWHSATYD VDTNPDNVIV TTGSSGGFVA SFIATLDHGD YVAMPTPGYP AYRNILES LG
 AKVLNLRCTA ETRFQPTAQM LEELPHKPKA VIVTSPGNPT GTIIDPEELE RIAKWCDNDND
 AVLISDEDYH GMSFGRPLAT AHQFSKNAIV VGTL SKYFSM TGWRVWGWIIV PDELVTPIEN
 LQASLSL CAP AIGQAAGRAA FTLEAGAE LD AHVEAYREAR EVFVDKLPEI GLGTFADPDG
 GLYLWVDVSA YTDDSEEWAL RLLDEAGVAV APGVDFDPEE GHKWIRLSLC ASKEDTIEGV
 RKIGEFIKK

>RXN00626 TRANSLATE of: rxn00626.seq check: 4739 from: 1 to: 1263
 MRILVIGSGA REHALLRGLS TDPATTELHV APGNAGL GSI ATVHPGIKAD DPEAVTALAK
 ELNSDLV VIG PEIPLVAGVA DALRAAGIAV FGPNKDAARI EGSKAFKDV MAAQGVRTAH
 AETITPGASS EDIDAAIDRF GPTWVVKDDG LSAGKGVVVT PDRAAARAHV DAVLEGGNPV
 LLESFLDGPE VSLFCLVDGE TVVPLLPAQD HKRAYDNDEG PNTGGMGAYA PLPWL PEDGV
 QRIVDEV CVP VAREMVARGC AYSGLLYAGI AWGAEGPAVV EFNCRFGDPE TQAVLALLKT
 PLAVLLNAVA TGT LAEQPAL EWEDAYALTV VLASYNYPEA PRTGDVIRNA DADNV LHAGT
 ALNAEGELVS AGGRVLNVIG VGETLEAARD NAYTTIKDIE LEGSHYRSDI ALAALEGRIS
 I

>RXN00636 TRANSLATE of: rxn00636.seq check: 8124 from: 1 to: 1029
 MMIDTPAVLI DRERLTANIS RMAAHAGAHE IALRPHVKTH KIIEIAQMQV DAGARGITCA
 TIGEAEIFAG AGFTDIFIAY PLYLTDHAVQ RLNAIPGEIS IGVDSVEMAQ ATAGLREDIK
 ALIEVDSGHR RSGVTATASE LSQIREALGS RYAGVFTFPG HSYGPGNGEQ AAADELQALN
 NSVQRLAGGL TSGGSSPSAQ FTDAIDEMRP GVVVFND SQ ITSGACTEKQ VAMTVLSTVV
 SRNVSDRRII LDAGSKILST DKPAWIDGNG FVLGNPEARI SALSEHHATI FWPDKVLLPV
 IGEQLNIVPN HACNVINLVD EVYVREADGT FRTWKVVAR G RNN

>RXN00667 TRANSLATE of: rxn00667.seq check: 6088 from: 1 to: 1014
 MIALKSMSNR VVQPKMKAP LPIRDGLNPS RVRLPLDAAP IRAIDFVEYL ISTQRHRNPA
 DNAEALQARF DADLVVNHYG EPYAPDTMVQ PDDDIWFYRM PAAERPIPYK IHVIHEDDDI
 LVIDKPPYLA TMPRGRHITE TALVKMRVLT GNNDLTPAHR LDRLTSGVLV MVKKPELRGA
 YQTLFARREA SKTYEAI AEF VPGLLDDGPA IWESRIEKER GIVQAFVVEG PVNARTELVS
 VTPVEDAEQS ILEEMHGPLP RQARYVLAPS TGKTHQLRIH MRDFAAPILG DPLYPV LHAV
 DDEDYTT PMH LIARTLT FVD PQTNEERTFV SNRPTGSL

>RXN00708 TRANSLATE of: rxn00708.seq check: 9995 from: 1 to: 807
 MTLSLPPIGF GTVHLDGAPG VEA IATAIDA GYRLIDTAYN YENEGTVGKA VRESGVPREE
 LIVTSKLPGR FHARDLGRVR IEESLYRLNL DYIDLLLIHW PNPSKDLYVE AWETLIEVRD
 AGLVKHIGVS NFLPNHIDRL RRETGELPAV NQIELHPYFP QVEQVDFHDE LGIITEAWSP
 LSNRGLVEE PLLKEIGERY GVGSGEIALA WHHARGIVPI PRSTNPARQR SNLEAVKISL
 IDEDEVQAITA LARKNGRIKD QDPAVYEEF

>RXN00770 TRANSLATE of: rxn00770.seq check: 6183 from: 1 to: 1170
 LLSPYAWGLS RALLDSYVPN KFQTPAGEAK YTMSDHQDTT AEGVSYAAAG VDIEAGDRAV
 ELFAPMAKRA TRPEVLGNLG GFAGLFELGK YKKPILAAGS DGVGTKLVIA QMMDKHDTIG

IDLVAMCVDD LVVGTAEPLF LQDYIAIGKV VPEHVAEIVS GIAEGCVQAG CALLGGETAE
 HPGVMEPDHY DVSATAVGVV EADELLGPDR VRAGDVLIGM ASSGLHSNGY SLARHVLEK
 AGLALDGHIE ELGRTLGEEL LEPTRIYAKD CLALIAECEV HTFCHVTGGG LAGNLERVVP
 EGLVAEMSRA TWTPGQIFRT ISSVGKVSRE EMEKTFNMGV GMVAVVAEKD RDRALAMLTA
 RHIDCWEIGT VRNGEEGEPR VILNGEHPGY

>RXN00954 TRANSLATE of: rxn00954.seq check: 8841 from: 1 to: 621
 AVKWFEASNF TFLFAPAYNP AIAHVQPVRQ ALKFPTIFNT LGPLLSPARP ERQIMGVANA
 NHGQLIAEVF RELGRTRALV VHAGTDEIA VHGTTLVWEL KEDGTIEHYT IEPEDLGLGR
 YTLEDLVGGL GTENAEAMRA TFAGTGPDAH RDLAASAGA MFYLNQDVDS LKDGAQKALS
 LLADGTTQAW LAKHEEIDYS EKESND

>RXN00956 TRANSLATE of: rxn00956.seq check: 8058 from: 1 to: 1137
 MTEKENLGGS TLLPAYFGEF GGQFVAESLL PALDQLEKAF VDATNSPEFR EELGGYLRDY
 LGRPTPLTEC SNLPLAGEGK GFARIFLKRE DLVHGGAHKT NQVIGQVLLA KRMGKTRIIA
 ETGAGQHGTALACALMGL ECVVYMGAKD VARQQPNVYR MQLHGAKVIP VESGSGTLKD
 AVNEALRDWT ATFHESHYLL GTPAGPHFPF TIVREFHKVI SEEAKAQMLE RTGKLPDVVV
 ACVGGGSNAI GMFADFIDDE GVELVGAEPA GEGLDGKHG ATITNGQIGI LHGTRSILMR
 NSDGQVEESY SISAGLDYPG VGPQHAHLHA TGRATYVGIT DAEALQAFQY LARYEGIIPA
 LESSHAFAYA LKRAKTAEV

>RXN00957 TRANSLATE of: rxn00957.seq check: 8921 from: 1 to: 1554
 MSTNPHVFSL DRYHEDASA LFAHLGGTTA DDAALLESAD ITTKNGISSL AVLKSSVRIT
 CTGNTVVTQP LTDSGRAVVA RLTTQLGQYN TAENTFSFPA SDAVDERERL TAPSTIEVLR
 KLQFESGYSD ASLPLLMGGF AFDFLETFT LPAVEESVNT YPDYQFVLA IVLDINHQQDQ
 TAKLAGVSNA PGELEAELNK LSLIDAAALP ATEHAYQTP HDGDTLRVVA DIPDAQFRTQ
 INELKENIYN GDIYQVVPAR TFTAPCPDAF AAYLQLRATN PSPYMFYIRG LNEGRSYELF
 GASPELNKF TAANRELQLY PIAGTRPRGL NPDGSINDEL DIRNELDMRT DAKELAEHTM
 LVDLARNDLA RVSVPASRRV ADLLQVDRYS RVMHLVSRVT ATLDPEDDAL DAYRACNMNG
 TLTGAPKLRA MELLRGVEKR RRGSYGGAVG YLRGNGMDMN CIVIRSAFVQ DGVAQVQAGA
 GVVRDSNPQS EADETLHKAY AVLNAIALAA GSTLEVIR

>RXN00969 TRANSLATE of: rxn00969.seq check: 5693 from: 1 to: 1335
 MTSASAPSFN PGKGPASAVG IALLGFGTVG TEVMRLMTEY GDELAHRIGG PLEVRIAVS
 DISKPREGVA PELLTEDAFA LIEREDVDIV VEVIGGIEYP REVVLAALKA GKSVVTANKA
 LVAHSAELA DAAEAANVDL YFEAAVACAI PVVGPLRRSL AGDQIQSVGM IVNGTTNFIL
 DAMDSTGADY ADSLAEATRL GYAEADPTAN VEGHDAASKA AILACIAFHT RVTADDVYCE
 GIRNINAADI EAAQQAGHTI KLLAICEKFT NKEGKSAISA RVHPTLLPVS HPLASVNXSF
 NAIFVEAEAA GRLMFYNGA GGAPTASAVL GDVVGAAARNK VHGGRAPGES TYANLPIADF
 GETTTRYHLD MDVEDRVGV LELASLFSEQ GISLRTIRQE ERDDARLIV VTHSALESDEL
 SRTVELLKAK PVVKAINSVI RLERD

>RXN01026 TRANSLATE of: rxn01026.seq check: 8609 from: 1 to: 1659
 MTSPVENSTS TEKLTAEKV WRDHVVSKEG NGEPDLYID LQLLHEVTSP QAFDGLRMTG
 RKLHPELHL ATEDHNPTE GIKTGSLEI NDKISRLQVS TLRDNCEEFV VRLHPMGDVR
 QGIVHTVGPQ LGATQPGMTI VCGDSHTSTH GAFGSMAFGI GTSEVEHVMA TQTLPLKPKF
 TMAIEVTGEL QPGVSSKDLI LAIIAKIGTG GGQGYVLEYR GEAIRKMSMD ARMTMCNMSI
 EAGARAGMIA PDQTTFDYVE GREMAPKGAD WDEAVAYWKT LPTDEGATFD KVEIDGSAL
 TPFITWGTNP GQGLPLGESV PSPEDFTNDN DKAEEKALQ YMDLVPGTPL RDIKIDTVFL
 GSCTNARIED LQIAADILKG HKIADGMRMG VVPSSTWIKQ EAEALGLDKI FTDAGAEWRT
 AGCSMCLGMN PDQLKPGERS AFTSNRNFEG RQGPGRTHL VSPAVAAATE SADPVLTCRY
 LRKARKQWKN LPPTPALAFH CSDPTWTPTR SSQPSTSSAS PGPASKTDCF PTGAKTPTL
 SSTPTPTRTA PFS

>RXN01027 TRANSLATE of: rxn01027.seq check: 2562 from: 1 to: 1008
 MANKNNKPHE VDKDQDSAML INGRLLQIPA RPTEEFTRPT LAAGAVLWRG DITNPDSEV
 AVIHRPHYDD WSLAKGKVPD GESIPTTAAR EILEETGYDI RLKGLIGKVT YPVLDRTKVV
 YYWTAQVLGG EFVFNDEVE IRWLSVDEAC ELLSYQVDTE VLAKAAKRRF TPSTTRVLYV
 RHAHAHGRQT WGGDDNKRPL DKKGRRQAEM LVPMLLPFKP TAIYSAVPDR CQATALPLAD
 ELGLDVSVNR LFGDDAWETD PEACKKRFTD VVAQGVPMI VGQGDIIPEM IKWFSENGTL
 PIDEKIKAKK GSVVLSFHD GVFTGADYLA SSLPVK

>RXN01079 TRANSLATE of: rxn01079.seq check: 5671 from: 1 to: 2103
 MDFHALNALL NLYDDNGKIQ FEKDREAAANQ YFLQHVNQNT VFFHNLQEKI DYLVENKYYD
 PIVLDKYDFQ FIKDLFKRAY GFKFRFQSFL GAYKYYTSYT LKTFDGRRYL ERFEDRVCMV
 ALTADGDRA LAENLVDEIM SGRFQPATPT FLNSGKAQRG EPVSCFLLRI EDNMESIGRS
 INSALQLSKR GGGVALLLSN LREAGAPIKK IENQSSGVIP VMKLLLEDAFS YANQLGARQG
 AGAVYLNAHH PDILSFLDTK RENADEKIRI KTLSSLGVVIP DITFELAKRN DDMYLFSPYD
 VERIYGKPPA DVSITEHYDE MVDDDRIRKT KINARQFFQT LAEIQFESGY PYIMYEDTVN
 ASNPIEGRIT HSNLCSEILQ VSTPSEFNDD LTYAEVGEDI SCNLGSLNVA MAMDAPNFEK
 TIETEIRGLT AVPEQTSIDS VPSIRKNEA AHAIGLGQMN LHGYFGREHM HYGSEELDF
 TNAYFAAVLY QCLRASNQIA TERGERFKNF ENSKYATGEY FDDFDANDFA PKSDKVKELF
 AKSNIHTPTV EDWAALKADV MEHGLFNRL QAVPPTGSIS YINNSTSSIH PIASKIEIRK
 EGKIGRVYYP APHMDNDNLE YFEDAYEIGY EKIIDTYAVA TKYVDQGLSL TLFFKDTATT
 RDINRAQIYA WRKGIKTLYY IRLRQVALEG TEVDGCVSCM L

>RXN01095 TRANSLATE of: rxn01095.seq check: 7184 from: 1 to: 783
 MVATENRMLM EIAAEISARE ATLGFEVKT KSRSAGLTAA FDIASVFFSS GCNVVAFDR
 FASNWSHDSD HVDYAAQVAG FGASMLAYTV RRGQFDTAVR DIRDIKSEVD IPILLHDPII
 DPYQIHEARV MGIDALQFPV WAMEQARLES LVDRTESLGM TAIVSVRNHE EAHRAVDAGA
 TVVAIDITGY TGSLLTPEAF SGITQFMPKE VARIVLGGCS SPKELMRFA HSADAIFVPH
 ADLATTKSLV TAGMHPACPS R

>RXN01104 TRANSLATE of: rxn01104.seq check: 5920 from: 1 to: 606
 MTVAPRIGTA TRTTSESDIT VEINLDGTGK VDIDTGLPFF DHMLTAFGVH GSFDLKVHAK
 GDIEIDAHHT VEDTAIVLGQ ALLDAIGDKK GIRRFAQCQL PMDEALVESV VDISGRPYFV
 ISGEPDHMIT SVIGGHYATV INEHFFETLA LNSRITLHVI CHYGRDPHHI TEAEYKAVAR
 ALRGAVEMDP RQTGIPSTKG AL

>RXN01115 TRANSLATE of: rxn01115.seq check: 5062 from: 1 to: 753
 MAILHSVSYG TSDNTLVFIG SLGSTTDMWL PQLDALHKDF RVIAVDHRGH GLSELIEGTP
 TVADLAQDVL DTLDDLGVGN FGVIGLSLGG AVAQYLAATS DRVTKAFFMC TAAKFGEPOG
 WLDRAAACRE NGTGSLSSEAV IQRWFSPTWL ENNPASREHF EAMVAGTPSE GYALCCEALA
 TWDFTDRLGE ITVPVLTIIAG ADDPSTPPAT VQIIADGVGG ESRAEVLSPA AHVPTVERPN
 EVNELLAQHF A

>RXN01116 TRANSLATE of: rxn01116.seq check: 6039 from: 1 to: 612
 MAARVAQELE DGQYVNLGIG MPTLIPGYLP EGLEVILHSE NGVLGVGPYP TEEELDPOLI
 NAGKETITVA PGASYFSSSD SFAMIRSKSV DVAVLGVMEV SQYGDLANWM IPGKLVKGMG
 GAMDLVHGAS KIIAMTDHIT KKGAPKILKE CRLPLTGAKC VDMIVTTHAV FSVDPPEGLT
 LIECADGVTV EELREITEAD FKVA

>RXN01127 TRANSLATE of: rxn01127.seq check: 8381 from: 1 to: 1020
 MKLAVIGGDG IGPEVTAEAL KVLNAVRDDI ETDDYDLGAR RYLKNGELLT DEDLASLREH
 DAILLGAIGA PGSVPPGILE RGLLLKMRFA LDHHVNLRPS KLYDGVESPL RNPCKIDFVV
 VREGTEGAYT GNGGAIRVGT PHEIANETSV NTRYGAERVI RYAFELAQSR RKKLTLVHKT
 NVLVHGGGLW QRTVDEVAKE YPEVAVDYNH IDAATIYLV TDPFRFDVIVT DNLFGDILTD
 EAGAVSGGIG LAASGNIDAT GTNPSMFEPV HGSAPDIAGQ GIADPTAAIL SAAMLLRHLG
 DEDNAVRIET AIAADVAGRD NSQPISTTEV GDRIVKALQS

>RXN01162 TRANSLATE of: rxn01162.seq check: 4305 from: 1 to: 1326
 MYIVGICLQL VVMSQPMSAP DSAPGTERGH ERTHFAVVDG SQDPAQATAP RAPAESITLI
 GIGTDGFEGL GLKAQQALQR ASVVISWRO LNLVPDAIKA ERRPWPNTK HPDLALFKE
 FLGRHVAVLA SGDPLFYGVG TAMVHVLGMD RLTVIPGPSS ASLACARLGW TVNRTRVVYL
 GQEPITLIP IIESGAQFLV LGKDEFSTAQ VATLLNELGL GETPLTVLSD LGSTDEEITQ
 GTASHPPAAV SVLNVIAGVA RTAMPKPHFE GDVSNEEDLRA LTVAALEPTQ GQMLWTFGDI
 GAALACDWLR AAGNKAHAIS FASMVEQSQR NARKLGVSTL SVKETLSPKT LKDIRYVQGP
 ESASPHAIFM NKGLGIDLVP ETAWMMLRPG GKLIQAQASTE DNIACLHTLQ EQHGIIKHI
 RIDDTDVHQQ RVTKPVTPEA VN

>RXN01209 TRANSLATE of: rxn01209.seq check: 6515 from: 1 to: 1428
 MCERPEKYVT DFSLYLVTDV VLGGGPKKVA GIVDSAISGG VSVVQLRDNK SGVEDVRAAA

KELKELCDAR GVALVVNDYL DIAVELGLHL HIGQGDTPYT QARELLPAHL ELGLSIENLD
 QLHAVIAQCA ETGVALPDVI GIGPVASTAT KPDAAPALGV EGIAEIAAVA QDHGASVAI
 GGVGLRNAAE LAATPIDGLC VVSEIMTAAN PAAAATRLRT AFQPTFSPET QTELSQTELQ
 GAFVNSPSAP RVLSIAGTDP TGGAGIQADL KSIAAGGGYG MCVVTSLSVAQ NTHGVNTIHT
 PPLTFLEEQL EAVFSDVTV DAIKGLMGLSA DTVDLVASWL GSHEHGPVVL DPVMIATSGD
 RLLDASAEES LRR LAVHVDV VTPNIPELAV LCDSAPAITM DEAIAQAQGF ARTHDTIVIV
 KGGHLTGALA DNAVVRPDGS VFQVENLRVN TTNSHGTGCS LSASLATKIA AGESVE

>RXN01239 TRANSLATE of: rxn01239.seq check: 4668 from: 1 to: 2433
 MARPISATYR LQMRGPQADS AGRSFGFAQA KAQLPYLKKL GISHLYLSPI FTAMPDSNHG
 YDVIDPTTIN EELGMEGLR DLAAATHELG MGIIIDIVPN HLGVAVPHLN PWWWDVLKNG
 KDSAFEYFD IDWHEDNGSG GKLGMPIGA EGDEKLEFA ELDGEKVLKY FDHLPFIAPG
 TEEGTPQEVY KRQHYRLQFW RDGVINFRRE FSVNTLAGIR QEDPLVFEHT HRLRLRELVAE
 DLIDGVRVDH PDGLSDPFGY LHRLRDLIGP DRWLIIEKIL SVDEPLDPRL AVDGTGTYDA
 LRELDGVFIS RESEDKFSML ALTHSGSTWD ERALKSTES LKRVVAQOEL AAEILRLARA
 MRRDNFSTAG TNVTEDKLSE TIIELVAAAMP VYRADIYSL RTTATVIAEM SKRFPSSRRDA
 LDLIAAALLG NGEAKIRFAQ VCGAVMAKGV EDTTFYRASR LVALQEVGGA PGRFGVSAAE
 FHLLQEERSL LWPRTMTTSL THDTRKGEDT RARIISLSEV PDMYSELVNR VFAVLPA PDG
 ATGSFLLQNL LGVWPADGVI TDALRDRFRE YALKAIRES TKTTWVDPNE SFEAAVCDWV
 EALFDGPSTS LITEFVSHIN RGSVQISLGR KLLQMVGAGI PDTYQGTFL EDSLVDPDNR
 REVDYTAREQ VLERLQTWAW TQVNSVEDLV DNADIAKMAV VHKSLELRAE FRASFVGGDH
 QAVFGEGRAE SHIMGIARGT DRNHLNIIAL ATRRPLILED RGGWYDTT VT LPGGQWEDRL
 TGQRFSGVVP ATDLFSLHPV SLLVLVPDSE F

>RXN01240 TRANSLATE of: rxn01240.seq check: 5900 from: 1 to: 1023
 MSDNTLSQFG SYHEFRRAH PMADVEFLA IEELLTDGGV TFDRVTTRIK EWSSLKAKAR
 KRRNDGSLIY PDPRKDIHDM IGVRIITYHS TEIPVALKVL QDSFIVHKS DKAETRISG
 GFGYGSHELLI LEVDDTSDDL QDYKGLVFEV QVRTVLQHAW AEFEDIRYK RADVSNPEDF
 SAEVDRMFTL AAGLIELADQ QFDQIAALKE TSRVADESVE LTAETLPGVL AMLIGNRFP
 PRSTNYRFE DILVANSITS VVQLRELLNP TDIEVLLKVM NYRFHPGQIR IIDLLLLKRF
 GQSHIDATVA TDSQPLNAKR HRQLKRKLEL MTQAHLEPP N

>RXN01304 TRANSLATE of: rxn01304.seq check: 600 from: 1 to: 486
 MPAQKNLPG SVIVVSDRIK SGERIDKAGP VAVDLLQESG VEISTFTVVE EGFEPVHQEL
 VKALARDRV IITIGGTGVG PRNRTPEATE PHIDTLLPGL MTQILFSGLS NTAQAGLSRG
 LVGLSARDST AALIVNAPSS SGGVRDALGV VCPLFGSIFE RL

>RXN01321 TRANSLATE of: rxn01321.seq check: 6043 from: 1 to: 921
 MQRMTPSSPE VRNRPSAAPE ERQFVLTFGC PDSTGIVAKL SSFLAERGGW ITEAGYFTDP
 DSNWFFTRQA IRAESIDTTI EQLREEFAPL AEEFGPRAKW SFTDTAQVKK AVLLVSKEGH
 CLHDLGRVA ENDYPMEVVA VVGNNHENLRY IAENHNVPFF HVPFPKDAVG KRKAQDQVAE
 IVNGYDPDAI VLARFMQILP PDLCEMWAGR VLNIHHSFLP SFMGARPYHQ AYSRGVKLIG
 ATCHYATGDL DDGPIEQDV IRVTHKDTPT EMQRLGRDAE KQVLARGLRF HLEDRLVYV
 NRTVVFD

>RXN01413 TRANSLATE of: rxn01413.seq check: 5704 from: 1 to: 600
 LTHLFLELDE RLVLGQQDG YQWTEHLFRL PLQHLRNSPN DLQGLKIRWC ELYSTTGKDG
 GVLLPQATV VTPNNFEAST LSGLEKLETV EDLKEAARLI YEQGPQYVVV KGGMDFPGEN
 AVDVLFDGSS YHVFSEPKIG EERVSGAVCT FAAVITAELA KGAEVVDPVA TAKRVVTRAV
 QDAVASNAF TSVWLAEDNK

>RXN01420 TRANSLATE of: rxn01420.seq check: 1274 from: 1 to: 942
 VTGGLNVPS WSLGAEMLFY LTFPLFIPLV RKVKGVGNWW AFGITFAVSL ALITVIHFYA
 DGPKGIEFF VPRLWDTNVS PVAEVHADPV WFMQEEIPVL ESYWLSYYFP LTRLIEFYLG
 VFGAKLVAEG MFKNTNITIP LIALAVSFVA TWFVPLAFKM SVIMSLPMAF VVATLAVRDI
 EGKSGEIASP RAVLLGNISF AFYMQFPVM VFVQRYFIAG KEYGFLGWAF YAVVCFIVSV
 ILAWLFTFV DDPLMKATAR KKGSRRLKQS NILVRDLKVL FGKSPEKPLK VETRAENLTE
 NSEAPAKVAT GIKS

>RXN01488 TRANSLATE of: rxn01488.seq check: 8876 from: 1 to: 948
 MSKKAILDID TGIDDALALA YALGSPELEL IGVTTYGNV LLETGAVNDL ALLDLFGAPE

VPVYLGEPAH QTKDGFVLE ISAFIHGQNG IGEVELPASE SKALPGAVDF LIDSVNTHGD
 DLVIIATGPM TNLSAAIAKD PSFASKAHVV IMGGALTPVG NVSTWAEANI NQDPDAANDL
 FRSGADVMTI GLDVTLQTLT TKKHTAQWRE LGTPAAIALA DMTDYYIKAY ETTAPHLGGC
 GLHDPPLAVGV AVDPSLVTLT PINLKVDIEG ETRGRTIGDE VRLNDPVRTS RAAVAVDVDR
 FLSEFMTRIG RVAAQQ

>RXN01560 TRANSLATE of: rxn01560.seq check: 2973 from: 1 to: 330
 VGVSYIIAGD EQLDMAEAVR KIGETFKTEE IILGGGGTLN WSMLRDGLCD EVSIVMMPIA
 DGEKHTSLF EADEKYSAPL PIGFSLASVE PLEDGSVWMR YGVNGPVDAN

>RXN01617 TRANSLATE of: rxn01617.seq check: 7053 from: 1 to: 672
 LILKTTGITV LSRFDAQVIA NQIEAATAAH DLDVVKIGML GTPATIDTVA TALEENSKFH
 VVLDPVLICK GQEPGAALDT DTALRAKVLP QATVVTPNNF EATTLGLDK LETIDDLKEA
 ARLIHEQGPQ YVVVKGGIDF PGDNAVDVLF DGTDYHVFSE PKIGDERVSG AGCTFAAVIT
 AELAKGNSAV DAVTTAKRVV TRAVKDAVAS NAPFTSVWLA EDNK

>RXN01657 TRANSLATE of: rxn01657.seq check: 7845 from: 1 to: 600
 VIVGVLLALQG GVEEHLTALE ALGATTRKVR VPKDLGLEG IVIPGGESTV LDKLARTFDV
 VEPLANLIRD GLPVFATCAG LIYLAKHLDN PARGQOTLAV VDVVVRNNAF GAQRESFDTT
 VDVSFDGATF PGVQASFIRA PIVTAFGPTV EAIAALNGGE VVGVRQGNII ALSFHPEETG
 DYRIHQAWLD LVRKHAELAI

>RXN01690 TRANSLATE of: rxn01690.seq check: 7996 from: 1 to: 1101
 MTSLEFTVTR TENPTSPDRL KEILAAPKFG KFFTDHMTI DWNESEGWHN AOLVPYAPIP
 MDPATTVFHY GQAIFEGIKA YRHSDETIKT FRPDENAERM QRSAAARMAMP QLPTEDFIKA
 LELLVDADQD WVPEYGGAS LYLRPFMIST EIGLGVSPAD AYKFLVIASP VGAYFTGGIK
 PVS VWLSEYD VRAAPGGTGD AKFAGNYAAS LLAQSQAEEK GCDQVWLDA IEHKYIEEMG
 GMNLGFIYRN GDQVKLVTP E LSGSLLPGIT RKSLLQVARD LGYEVEERKI TTTEWEEDAK
 SGAMTEAFAC GTAAVITPVG TVKSAHGTFE VNNNEVGEIT MKLRETLTGI QQGNVEDQNG
 WLYPLVG

>RXN01698 TRANSLATE of: rxn01698.seq check: 9592 from: 1 to: 1230
 MLGMLRWTTA GESHGQALIA TVEHMPAGVP VTKDEVSYQL ARRLGYGRG ARMKFEQDAL
 TFLTGIRHGL TLGSPISIMI GNTEWDKWT IMSSDALDME DPDNVAAMSS GRGAKLTRPR
 PGHADYAGML KYGFDDARNV LERSARETA ARVAAATVAR SFLRETGLVE VLSHVISIGA
 SEPYTGAEP FADIQAIDDS PVRAFCKDAE ESMIAEIEAA KKAGDTLGGI VSHIVEGLPI
 GLGSHISGED RLDAQIAAAL MGIQAIKVE IGDGFEEARR RGSEAHDEVF LDDNGVYRNT
 NRAGGLEGGM TNGETLRVRA GMKPISTVPR ALKTIDMENG KAATGIHQRS DVCAPPAAGV
 VAEAMVTLVL ARAVLQKFGG DSLSETKSNI DTYLKNIEER MKFEGLEDGA

>RXN01712 TRANSLATE of: rxn01712.seq check: 1222 from: 1 to: 696
 MVDILELIGP LPFVSTPELR AIVVTAINGS TTINGTSGQL GNSTDTELL ALRRWSDVVL
 VGSSTVKAEN YGGVEVSPEI QKQRELQGE AIPPIAVMSG SLNFDVDTRF FLEAEVPPII
 ITDNSDQAKQ QRLVDAGA QV IEVETLTAEV GVEKLRLSLGY ARIDCEGGAT LYQMLAADL
 VDVWHHTIDP TLSGSVERPT VKGGDDAPRR FALEHVFDV DSTLFLRYKR AK

>RXN01810 TRANSLATE of: rxn01810.seq check: 7446 from: 1 to: 1077
 MNNAFRRTLT SVVLAASLAL TACASWDSPT ASSNGDLIEE IQASSTSTDP RTFTGLSIVE
 DIGDVVPVTD NASPALPVSL TDADGNDVV ENVSRILPLD LYGTYSKTIA GLGLVDNIVG
 RTVSSTEPAL ADIEVVTTGG HTLNAEAILN LHPTLVIIH SIGPREVIDQ IRAAGVATVI
 MSPQRSIASI GDDIRDIASV VGLPEEGEKL AERSVAEVEE ASTVVDELTP EDPLKMFVLY
 ARGTTGGVFFI LGDAYGGRDL IEGLGGVDMA AEKGIMDLAP ANAEALAE LN PDVFVMMSEG
 LVSTGGIDGL MERPGIAQTT AGQNQRVLAL PDGQSLAFGA QTGELLRLAS RELYVQGE

>RXN01892 TRANSLATE of: rxn01892.seq check: 2496 from: 1 to: 729
 VTTSSSEQPRT GYKRVMLKLG GEMFGGKVG VDPDVVDNVA RQIAEVAKTG AEIAVVIGGG
 NFFRGAEQQ RGMDRARSY MGMLGTVMNC LALQDFLGQH GVECRVQTAI NMAQVAEPYL
 PLRAERHLEK GRVVI FGAGM GMPYFSTDTT AAQRALEIGC DVLLMAKAVD GVYSDDPRTN
 PDAELFTEIT PKEVIEKGLK VADATAFSLC MDNKMPILVF NLLTEGNIAR AISGERIGTL
 VES

>RXN01920 TRANSLATE of: rxn01920.seq check: 452 from: 1 to: 1002
 MAADSDLSVH DAYLKEHVAP VKAINWNSIP DSKDLEVWDR LTGNFWLPEK VPVSNDIKSW
 GTLNEVEKAA TMRVFTGLTL LDTIQGTVGA ISLLPDADSL HEEAVLTNIA FMESVHAKSY
 SNIFMTLAST AEINDAFRWS EENENLQRKA KIILSYEGD DPLKRKIASV ILESFLFYSG
 FYLPMYWSSH SKLANTADVI RLIIRDEAVH GYYIGYKYQK AVAKETPERQ EELKEYTFDL
 LYDLYDNETQ YSEDLYDDLQ WTEDVKRFLR YNANKALNNL GYEGFLPADE TKVSPNILSA
 LSPNADENHD FFSGSGSSYV IGKAENTEDD DWDF

>RXN01929 TRANSLATE of: rxn01929.seq check: 5174 from: 1 to: 813
 MPMSGIDAKK IRTRHFREAK VNGQKVSFLT SYDALSARIF DEAGVDMLLV GDSAANVVLG
 RDTTSLITLD EMIVLAKAVT IATKRALVVV DLPFGTYEVS PNQAVESAIR VMRETGAAAV
 KIEGGVEIAQ TIRRIDVAGI PVVGHIGYTP QSEHSLGGHV VQGRGASSGK LIADARALEQ
 AGAFAVVLEM VPAEAAREVT EDLSITTIGI GAGNGTDGQV LVWQDAFGLN RGKKPRFVRE
 YATLGDSLHD AAQAYIADIH AGTFPGEAES F

>RXN01940 TRANSLATE of: rxn01940.seq check: 4990 from: 1 to: 936
 MTTKIILDCD PGHDDAVAML LAAGSPEIEL LGITTVGGNQ TLDKVTHTNTQ VVATIADINA
 PIYRGVTRPL VRPVEVAEDI HGDTGMEIHK YELPEPTKQV EDTHAVDFII DTIMNNEPGS
 VALVPTGFLT NIALAVRKEP RIAERVKEVV LMGGGYHVGN WTAVAEFNIK IDPEAAHIVF
 NEKWPLTMVG LDLTHQALAT PEIEAKFNEL GTDVADFVVA LFDAFRKNYQ DAQGFDPNPV
 HDPCAVAYLV DPTVFTTRKA PLDVELYGAL TTGMTVADFR APAPADCTTQ VAVDLDFDKF
 WNMVIDAVKR IG

>RXN02008 TRANSLATE of: rxn02008.seq check: 2069 from: 1 to: 1134
 VYAAIGVVHS LFNALPGRFK DYISAPRFGV YQSLHTTVMG PGGKPLEVQA RTHDMHYNAE
 FGIAAHWRYK ETKGSHSGEQ AEVDQMAWMR QLLDWQKEAA DPNEFLDSL RYDLTSKQIFV
 FTPKGDVVNL PVNSTPVDFE YAVHTEVGHR CIGAKINGKL VALETCLKSG DRVEVFTSKD
 QNAGPSRGWQ EFVVSPRAKA KIRQWFAKER REEYLEAGRD ALAAVIQRRG LPMHRLFTAS
 SMKTVA TELH YPDVDALYTA IGSGSVSAQH VVNRLMAIFG DEEDAEDALV ARTPFSELVN
 SRATTESSTG ILVEGSPDVM AKLAKCCMPV PGDEIFGFVT RGGGVSVHRT DCTNVEKLKE
 EPERIVSVSW ASEGQGSV

>RXN02027 TRANSLATE of: rxn02027.seq check: 4731 from: 1 to: 501
 MSQTKQELRT KLREARTNMD EASRTRENAA IIANVSYIIR SKQPKRIAAY VPVRTEPGGR
 LLLDALHAET SALILPVSLE DRRLDWALYE GPTSLVPGAF GIQEPGGTRL GPEALNFCDL
 VIAPALACTP SGIRLGKGGG FYDRALATGV KADVITLLFN GEIRDDI

>RXN02085 TRANSLATE of: rxn02085.seq check: 9107 from: 1 to: 2235
 MTSNFSSTVA GLPRIGAKRE LKFALEGYWN GSIEGRELAQ TARQLVNTAS DLSGLDSVP
 FAGRSYYDAM LDAAAILGVL PERFDDIADH ENDGLPLWID RYFGAARGTE TLPAQAMTKW
 FDTNYHYLVP ELSADTRFVL DASALIEDLR CQQVRGVNAR PVLVGPLTFL SLARTTDGSN
 PLDHLPALFE VYERLIKSF TEWVQIDEPA LVTDVAVEVL EQVRAGYTTL AKRDGVFVNT
 YFGSGDQALN TLAGIGLGA I GVDLVTHGVT ELAAWKGEEL LVAGIVDGRN IWRDLCAL
 ASLKRLAARG PIAVSTSCSL LHVPYTLAE NIEPEVRDWL AFGSEKITEV KLLADALAGN
 IDAAAFDAAS AAIASRRTSP RTAPITQELP GRSRGSFDTR VTLQEKSL ELGLDVLVHG EPERNDMVQY
 FPQTPSIRSA RARLRKESIT LEQYEEAMRE EIDLVIKQE ELGLDVLVHG EPERNDMVQY
 FSELLDGFLS TANGWVQSYG SRCVRPPVLF GNVSRPAPMT VKWFQYAQSL TQKHVKGMLT
 GPVTILAWSF VRDDQPLATT ADQVALALRD EINDLIEAGA KIIQVDEPAI RELLPLRDVD
 KPAYLQWSVD SFRLATAGAP DDVQIHTHMC YSEFNEVISS VIALDADVTT IEAARSMDQV
 LAALKSSGFE LGVGPVWDI HSPRVPSAQK VDGLLEALQ SVDPRQLWVN PDCGLKTRGW
 PEVEASLKV L VESAKQAREK IGATI

>RXN02153 TRANSLATE of: rxn02153.seq check: 56 from: 1 to: 780
 MIMHNVYGV MTIKVAIAGA SGYAGGEILR LLLGHPAYAS GELEIGALTA ASTAGSTLGE
 LMPHIPQLAD RVIQDTTAET LAGHDVVFLG LPHGFSAEIA LQLGPDVTVI DCAADFRLQN
 AADWEKFYGS EHQTWPYGI PEMPGHREAL RGAKRVAVPG CFPTGATLAL LPAVQAGLIE
 PDVSVVSITG VSGAGKASV ALLGSETMGS LKAYNTSGKH RHTPEIAQNL GEVSDKPVKV
 SFTPV LAPLP REFSPLQPHL

>RXN02154 TRANSLATE of: rxn02154.seq check: 6613 from: 1 to: 291
 LKEGVTA EQA RAVYEEFYAQ ETFVHVLPEG AQPQTQAVLG SNMCHVQVEI DEEAGKVLVT

SAIDNLTGKT AGAAVQCMNL SVGFDEAAGL PQVGVAP

>RXN02162 TRANSLATE of: rxn02162.seq check: 5865 from: 1 to: 1431
 MEQHGTNEGA LWGGRFSGGP SEAMFALSVS THFDWVLAPY DVLASKAHAK VLHQADLLSD
 EDLATMLAGL DQLGKDVADG TFGPLPSDED VHGMERGVV DRVGPEVGGP LRAGRSRNDQ
 VATLFRMWVR DAVRDIALGT TELVDALSAQ AKAHAGAIMP GKTHFQAAQP VLLAHQLLAH
 AQPLLRDIDR IRDLDKRLAV SPYSGSALAG SSLKLNPEAI AEELGFDSAA DNSIDATSSR
 DFASATAFVL AQLAVDMSRL AEELIAWCTP EFGYITLSDS WSTGSSIMPO KKNPDVAELT
 RGKSGRLIGN LTGLLATLKA QPLAYNRDLQ EDKEPIVDSV AQLNLLLPAM TGLVSTLTFN
 TERMRELAPA GFTLATDLAE WMVRQGVFPR EAHEASGACV RIAESRGVDL IDLTDEELSG
 VDARLTPEVR EVLTIDGAVA SRATRGGTAG VRVAEQRARV DAASTAHAEW ARAGVRR

>RXN02198 TRANSLATE of: rxn02198.seq check: 9108 from: 1 to: 2499
 MSTSVTSPAH NNAHSSEFLD ALANHVLIQD GAMGTQLQGF DLDVEKDFLD LEGCNEILND
 TRPDVLRQIH RAYFEAGADL VETNTFGCNL PNLADYDIAD RCRELAYKGT AVAREVADEM
 GPGRNGMRRF VVGSGLPGTK LPSLGHPYA DLRGHYKEAA LGIIDGGGDA FLIETAQDLL
 QVKAHVHVQ DAMAELDTFL PIICHVTVET TGTMLMGSEI GAALTALQPL GIDMIGLNCA
 TGPDEMSEHL RYLSKHADIP VSVMPNAGLP VLKNGAEYP LEAEDLAQAL AGFVSEYGLS
 MVGGCCGTTT EHIRAVRDAV VGVPEQETST LTKIPAGPVE QASREVEKED SVASLYTSVP
 LSQETGIMI GERTNSNGSK AFREAMLSGD WEKCVDIKQ QTRDGAHMLD LCVDYVGRDG
 TADMATLAAL LATSSTLPIM IDSTEPEVIR TGLEHLGGRS IVNSVNFEDG DGPESTRYQRI
 MKLVKQHGA VVALTIDEEG QARTAEHKVR IAKRLIDDIT GSYGLDIKDI VVDCLTFPIS
 TGQETRRDG IETIEAIREL KKLYPEIHTT LGLSNISFGL NPAARQVLNS VFLNECIEAG
 LDSAIAHSSK ILPMNRIDR QREVALDMVY DRRTEDYDPL QEFMQLFEGV SAADAKDARA
 EQLAAMPLFE RLAQRIIDGD KNGLEDDLEA GMEKESPIAI INEDLLNGMK TGVIGFGSGQ
 MQLPFVLQSA ETMKTAVAYL EPMEEAEAE TGSAQAEKG KIVVATVKGD VHDIGKNLVD
 IILSNNGYDV VNLGIKQPLS AMLEAAEEHK ADVIGMSGLL VKSTVVMKQT ISD

>RXN02234 TRANSLATE of: rxn02234.seq check: 4131 from: 1 to: 3339
 MPKRSDINHV LVIGSGPIVI GQACEFDYSG TQACRVLKEE GLRVTLINSN PATIMTDPEM
 ADHTYVEPIE PEYIDKIFAK EIEQGHPIA VLATLGGQTA LNAAIQLDRL GILEKYGVEL
 IGADIDAIR GEDRQKFKDI VTTIGGESAR SRVCHNMEEV HETVAELGLP VVVRPSFTMG
 GLGSGLAYNT EDLERIAGG LAASPEANVL IEESILGWKE FELELMRDTA DNVVVICIS
 NVDALGVHTG DSVTVAPALT LTDREFQKMR DQGIATIREV GVDGTGGCNIQ FAINPVDGRI
 ITIEMNPRVS RSSALASKAT GFPIAKMAAK LAIGYTLDEI TNDITGETPA AFEPTIDYVV
 VKAPRFAFEK FVGADDTLTT TMKSVGEVMS LGRNYIAALN KALRSLETQ QGFWTKPDEF
 FAGERATDKA AVLEDLKRPT EGRLYDVELA MRLGASVEEL YEASSIDPWF LAELEALVQF
 RQKLVDAPFL NEDLLREAKF MGLSDLQIAA LRPEFAGEDG VRTLRLSLGI RVPFKTVDT
 AAEEFAKTPY HYSAYELDPA AESEVAPQTE REKVLILGSG PNRIGQGIEF DYSCVHAAL
 LSRVGYETVM VNCNPETVST DYDTADRILYF EPLTFEDVME VYHAEQSGT VAGVIVQLGG
 QTPGLADLVR KKAGVPVIGT SPEAIDMAED RGEFGALLNR EQLPAPAFGT ATSFEEARTV
 ADEISYPVLV RPSVVLGGG MEIVYDEASL EGYINRATL SSDHPVLVDR FLDNAIEIDV
 DALCDGDEVY LAGVMEHIEE AGIHSQDSAC ALPMTLGAQ DIEKVREATK KLALGIVGQ
 LMNVQYALKD DILYVIEANP RASRTVPFVS KATGVNLAKA ASRIAVGATI KDLQDEGMIP
 TEYDGGSLPL DAPIAVKEAV LPFNRFRRPD GKTLDTLSP EMKSTGEVMG LANNFGAAYA
 KAEAGAFGAL PTEGTVFVTV ANRDKRTLIL PIQRLALMGY KILATEGTAG MLRRNGIECE
 VVLKASDIRE GVEGKSIVDR IREGEVDLIL NTPAGSAGAR HDGYDIRAAA VTVGVPLITT
 VQGVTAAVQG IEALREGVVS VRALQELDHA VKA

>RXN02246 TRANSLATE of: rxn02246.seq check: 1512 from: 1 to: 984
 MDVAHALDLA HHVSDQVRGT TSPNPPVGAV ILDADGEVVG VGATAPPGGP HAEVVALAAA
 GVRANGGTAV VTLEPCNHYG RTGPCSKALL DAGIAHVFYA NADPFPSAAG GGAFLAEGV
 DTHFLDERIR ALEPWLVAIR LGRPHVTLKF ASTVDGFAGA TDGTSQWITG PDARAFVHED
 RSKRDAIIVG TGTALTDNPS LTARTDTGLY ENQPRRVIG SREVPADSNL ARLGYEQYAG
 IPEALSALWD KGCARDILIEG GPTLAGAALR LGIVDQVQAY VAPALLGAGR SVINWPQETT
 MDQIMRFDTT SVRQLGSDVL IEMMRKEH

>RXN02248 TRANSLATE of: rxn02248.seq check: 4306 from: 1 to: 1266
 VSEHEQAHSQ LDSVEEAIAD IAAGKAVVVV DDEDRENEG IIFAAELATP ELVAFMVRYS
 SGYICAPLTA KDADRLDLP MTAHNQDARG TAYTVTV DAN TGTTGISATD RAHTLRLLAD
 PEADRTDFTR PGHVPLRLAR EGGVLVRAGH TEAAVDLARA AGLRPAGVIC EVVSEEDPTG

MARVPELRRF CDEHDLKLIS IEQLIEWRRK NEILVERQVE TVLPTDFGTF KAVGYRSIID
 GTELVAIVAG DVASDGGENV LVRVHSECLT GDVFGSRRCD CGQQLHESLR LIQEAGRGVV
 VYMRGHEGRG IGLLAKLRAY QLQDEGADTV DANLALGLPA DAREFGTSAQ ILYDLGVRSL
 NLISNNPAKK VGLEHGHSI ASRTPIPVAV HEDNVRYLKT KRDRMGHDLP DVALWEQEHF
 EN

>RXN02249 TRANSLATE of: rxn02249.seq check: 5182 from: 1 to: 477
 MAKEGLPAVE LPDASGLKVA VVTARWNAEI CDRLHKHA VD AGRAAGATVS EYRVIGALEL
 PVVVQELART HDAVVALGCV VRGGTPHFDY VCDSTVEGLT RIALDTSTPI GNGVLTNTTE
 EQAVERSNGE GSVEDKGAEA MVAALDTALV LSQIRATEG

>RXN02263 TRANSLATE of: rxn02263.seq check: 627 from: 1 to: 378
 MKIAVIGLGS TGSMALWHLN NIPGVEAIGF EQFGISHGYG AFTGESRLFR MAYHEGSTYV
 PLLKRARALW SSLSEISGRE LFHNFGVLST GKEDEAPFQR LVESVERYEL PHERLTAAQM
 RSVTQV

>RXN02272 TRANSLATE of: rxn02272.seq check: 3652 from: 1 to: 1245
 VRITNAQVKN YAEVLDTITIE GEKISSITPS SIRSEEDHRA DDYDAAGRLV APQFAEAHIH
 LDYANTAGIP RENSSGTLFE AIEIWADRKT QGFHIKEDIK AKALQAARRA AEHGVGFIRT
 HVDVTDPTFA GFEAIAELRD EVREWCDIQI VAFPPQNGIYA YEGGQKLISD AMSAGADVVG
 GIPHLEPTRD DGVESVKWLF DLAEKHSAPI DIHTDEIDDP HSRFVEVLAA EAAKRDMAQ
 TVVSHSVAMA YYSPGYMARL LPKLAASKVR FAVCPNENLH LQGLGFQGPV PRGVAPVKQL
 TEWGIPVSFC QDSLNDPFYP MGDGDLRLIL DSGLHVSHML TASHLKNALS FITTNFAGNL
 GLDNYDIAEN SPANLLVLDA SSEKEAVQRK ASVLLSIHRG KKVLSREPEQ VDWNII

>RXN02281 TRANSLATE of: rxn02281.seq check: 6251 from: 1 to: 1431
 VQKDSVVRME ATTIDDAIAK LIDIYDTSTK LAKETLNNED YAAYADVVP KLTVDVLEWK
 PIDRTEPFY VDRAGRYSAT LSKPRVIERY LREQRLRITS NYPCKIYVSE SDIRIPPEYI
 RGAPSATEAR RAGDVADIIP RPTLDEVHDA IIDGDWHAFN GPPLPLFHFG PQRFDIACAR
 IEHYTGINVE HVQKYILFTN YAMHTTEFVH FAMSELTSED SRYVGLSLPN QVIDRETAT
 SLGTETDLT SRFQMPRYDL ITEAGDGITI INIGVGPSNA KTITDCLAVL RPEAWVMIGH
 CAGMDARMRI GDLILGNAYQ REDHILNTRI PLGNPIPAIP EIQKALEASV DEIYGSNDNSL
 MRTGTVLSTD DRNWEWHTPE NLWNWLKGST AAAVDMESST LATNGYRFRI PYGTLLSVSD
 LPLHAVPKLS AQAQAFYFNS KEAHVMCAVR AMEYLAVDPE RLRTKLRLRT LGEVPPFR

>RXN02345 TRANSLATE of: rxn02345.seq check: 1896 from: 1 to: 1197
 VTSTGNQAHA PGMPIVAVIG DGQLARMMQT SAIELGQSLR VLAGAPDSSA AQVAADVVLG
 DYTNIIDLRV AIEGADVMTF DHEHVPNEHL HQLIAEGVNV QPRPEALVNA QDKLVMRKRL
 RELGAPVPPF AAIESVEDAV GFFEAVDGVV CLKARRGGYD GKGWVFPADV AELQSLVAEL
 LDGGTPLMAE KKVALNRELS AMVARTPSGE TKAWPVVESV QKNGVCAEAI APAPELSAEL
 QESTRGLAQK IATELGVTGV LAVELFETLD QNGQPEIFVN ELAMRSNTG HWTQDGCVTS
 QFEQHLRAVL DYPLGATDTL ADYTVMANVL GADTDPEMPM ATRMVEVGRK YPDAKIHLG
 KGHPRGRKIG HVNMVGSLE KTRAEALACA YFLVNARWD

>RXN02350 TRANSLATE of: rxn02350.seq check: 8700 from: 1 to: 495
 VGPLVGLIMG SDSWDVTAP AAEVLAEFGI PFEVGVVSAH RTPEKMLNYA KTAHERGIKT
 IIACAGGAH LPMVAAATP LPVIGVPRAL KDLDGLDSSL SIVQMPGGVP VATVSIGGAK
 NAGLLAVRIL GAGDPSLVTK MADYQENMAK EVEAKDEALK KRLLG

>RXN02355 TRANSLATE of: rxn02355.seq check: 2794 from: 1 to: 732
 MSSISRKTGA SLAATLLAA IALAGCSSDS SSDSTDSTAS EGADSRGPIT FAMGKNDTDK
 VIPIIDRWNE AHPDEQVTIN ELAGEADAQR ETLVQSLQAG NSDYDVMALD VIWTADFAAN
 QWLAPLEGDL EVDTSGLLQS TVDSATYNGT LYALPQNTNG QLLFRNTEII PEAPANWADL
 VESCTLAEEA GVDCLTTQLK QYEGLSVNTI GFIEGWGGSV LDDDGKRHR QHDGKAGLQA
 LVDG

>RXN02382 TRANSLATE of: rxn02382.seq check: 5059 from: 1 to: 1296
 MSSTTLTDDQ IRDNERTVL AKATAAKNIV PDI AVLGTGP KNAILRAAAD ELVARSAEII
 EANASDIEAG RANGMEESMI DRLALDESRI EGIAGGLRQV AGLTDPVGEV LRGHVMENGI
 QMKQVRVPLG VMGMVYEARP NVTVD AFGLA LKSGNVALLR GSSTAVHSNT KLVEILQDVL
 ERFELPRETV QLLPCQTRGS VQDLITARGL VDVVIPRGGA GLINAVVTGA TVPTIETGTG

NCHFYIDAEA KLDQAIAMVI NGKTRRC SVC NATETALLDA ALSDSKLA V QALQEAGVT
IHGRVAE LEA FGATDVVEAT ETDWDSEYLS FDI AVAVVDG VDGALAHIAK YSTKHTEAIA
TQNIETAQRF ADRVDAAVM INASTAYTDG EQYGMGAEIG ISTQKLHARG PMALPELTST
KWILQGTGQI RP

>RXN02384 TRANSLATE of: rxn02384.seq check: 8362 from: 1 to: 708
VTRRLILLRH GQTEYNATSR MQGQLDTELS DLGFQQAASA ASVLVQKNIT HVFSSDLSRA
FNTASAVAAL IDAEVRVDKR LRETHLGEWQ AKTHTEVDSE YPGARAQWRH DPQWAPPGGE
SRVDVARRAR QVVDELMVSL DDWDEGTVLI VAHGGTINAL TSNLLDLAYD QYPMFSGLGN
TCWAQLTARP RYYAGSENPE DDLKISSAVS NSPHFEGNNV ENAQWYLDGW NMGVTTQ

>RXN02503 TRANSLATE of: rxn02503.seq check: 7437 from: 1 to: 399
MTLKIGTRGS KLATTQAGTI RDQLKHYGRD AELHIVTTPG DVNMSPVERI GVGVTQALR
DVLHSGECDV AVHSMKDLPT ATDPRFHLVV PTRADSREAL IARDGLTLAE LPERRKGGNF
RSSTHLPAGG NPP

>RXN02504 TRANSLATE of: rxn02504.seq check: 8 from: 1 to: 558
VGTSAPRRIS QLKAIRPDLE ILPLRGNIDT GMGKVTSGEL DAVMLAYAGL TRVGMQDRAT
EVFDADIIMP APAQGALAIE CRADDTETVR ALNMLMHADT FVSAVAERTV LNRLEAGCTA
PVAAHATLDG YSGDTMTLTA GUYALDGSQ LVFSAEGDGA RPEELGELVA QQLIDAGAN
LLGDRS

>RXN02648 TRANSLATE of: rxn02648.seq check: 6219 from: 1 to: 1203
MSQNRIRTH VGSLPRTPEL LDANIKRSNG EIGEEFFQI LQSSVDDVIK RQVDLGIDIL
NEGEYGHVTS GAVDFGAWWN YSFTRLGGLT MTDTRD WASQ EAVRSTPGNI ELTSFSDRRD
RALFSEAYED PVSGIFTGRA SVGNPEFTGP ITYIGQEETQ TDVDLLKKGM NAAGATDGFV
AALSPGSAAR LTNKFYDTDE EVVAACADAL SQEYKIITDA GLTVQLDAPD LAEAWDQINP
EPSVKDYLDW IGRIDAINS AVKGLPKEQT RLHICWGSWH GPHVTDIPFG DIIGEILRAE
VGGFSFEGAS PRHAHEWRVW EENKLPESQV IYPGVVSHSI NAVEHPRLVA DRIVQFAKL V
GPENVIAS TD CGLGGR LHSQ IAWAKLES LV EGARIASKEL F

>RXN02754 TRANSLATE of: rxn02754.seq check: 5967 from: 1 to: 1338
VNTNPSEFSS NRSTALLTDK YELTMLQAAL ADGSAERPST FEVFSRRLPN ERRYGVVAGT
ARVLKAIRDF VFTEEQLADL DFLDDRTLEY LRNYRFTGQV DGYREGIYF PQSPLLTVRG
TFAECVILET VILSIMNADS AVASAAARMV TAADGRPIIE MGSRRTHEYS AVTASRAAYL
AGFSTTSNLE AAYRYGIPAS GTSAAHWTL L HINDDGT PNE AAFAKQVES LGVDTLLVD
TYDITQGVAT AIEVAGPDLG GVRIDSGDLG VLARKVRKQL DDLNAHNTKI VVSSDLDEFA
IAGLRGEPVD VFGVGTSVVT GSGAPTAGLV YKIGEVAGHP VAKRSRNKES YGGGKKAVRT
HRKSGTAIEE IVYPFNAEAP DTGKLDLTL SL TIPLMRDGEI VPGLPTLEDS RAYLAKQLVS
LPWEGLALSR DEPV LHTRFV GFPPAA

>RXN02758 TRANSLATE of: rxn02758.seq check: 5860 from: 1 to: 1299
VTELIQNESQEIAELEAGQQVALREGYLP AVITVSGKDRPGVTA AFFRVLSANQVQVLDV
EQSMFRGFLNLAA FVG IAPERVETVT TGLTDTLKVHGQSVVVELQETVQSSRPRSSHVVV
VLGDPVDALDISRIGQTLADYDANIDTIRGISDYPVTGLELKVTPDVSPGGGEAMRKAL
AALTSELNV DIAIERSGLLRSKRLVCFDCDSTLITGEVIEMLAAHAGKEAEVA AVTERA
MRGELDFEESLRERVKALAGLDASVIDEVA AIELTPGARTTIRTLNRMGYQTAVVSGGF
IQVLEGLAAEELDYVRANTLEIVDGKLTGNVTGKIVDRAAKAEFLREFAADSG LKMYQT
VAVGDGANDIDMLS AAGLGVA FNAKPALKEIADTSVNHPFLDEV LHIMGISRDEIDLADQ
EDGTFHRVPLTNA

>RXN02772 TRANSLATE of: rxn02772.seq check: 845 from: 1 to: 1035
MSLERNTQKS SMGVRMSAR LARSLTG NR V RTNPVLDPLL SIHRQFHPRADVQVLERAYD
TAERLHDGVI RKS G D P Y ITH PLAVATIAAE IGM D T T T LVA ALLHDTVEDT DYSLDDLTRD
FGEEVARLVD GVT K L D KVAL GAAAEAE TIR KMIVAMSQDP RVLVIKVADR LHNMRMTMRF L
PPEKQAKKAR QTLEVIAPLA HRLGMASVKW ELEDLSFAIL YPKKYEEIVR LVADRAPSRD
RYLKEIIDQV TGGLRENNIA AEVLGRPKHY WSIYQKMIVR GRDFDDIFDL VGIRILVDNV
NNCVRRHRCR ALPVQCSAWP IQRLYFSPAL RCLPIPAHHR DGTWR

>RXN02802 TRANSLATE of: rxn02802.seq check: 8099 from: 1 to: 1071
VKNLDIARYR RQIMLG EIGQ QKQQSLF DAK VSVIGAGGLG SPALLYLAGA GVGHIHIIDD

DLVDLSNLHR QVIHTTAGVG TPKAESAREA MLALNPSVKV TVSVRRLDWS NALSELADSD
 VILDGSDNFD TRHLASWAAA KLGIPHVWAS ILGFDAQLSV FHAGHGPIYE DLFTPPPPG
 SVPSCSQAGV LGPVVGVMGS AMAMEALKII TGVGTPLIGK LGGYSSLDGT WEYIPVVGSP
 EVLERVLGSA GVSGISGGFG EVLDVPRVSA LVDGVSLIDV REPSEFSAYS IPGAHNTPLS
 AIREGAIPPS VSAGKEVIVY CAAGVRSQA IAILESAGYT GMSSLDGGIE GWLDSL

>RXN02909 TRANSLATE of: rxn02909.seq check: 3255 from: 1 to: 486
 MNRARIATIG VLPLALLLAS CGSDTVEMTD STWLVTNIYT DPDESNSISN LVISQPSLDF
 GNSSLSGFTG CVPFTGRAEF FQNGEQSSVL DADYVTLSSL DFDKLPDDCQ GQELKVHNEL
 VDLPGSFEI SRTSGSEILL TSDVDELD RP AIRLVSWIAP TS

>RXN02912 TRANSLATE of: rxn02912.seq check: 8900 from: 1 to: 753
 VTSPQLQNIL NNYWSGRAEA YHLNQTSER AQFERPIWEK VWSKALPIVS EEAVKVLDLG
 CGAGYVTHLL SDCGYETIGV DGSEEMINQA TQENGLRRST GRATAIFQVG DAHDPEFREG
 SFDAITSRVY LWTLLDPQAA INRWVSLKLP GGVIACVDAA WYPKGIDAGT EVDSVDGPSA
 FVETYTPPELL RNLPMSTTST GHNFAELFHN AGLKEVTLTP IEGLAELDQR FGLSPGHST
 PQFLFRGIKS S

>RXN02918 TRANSLATE of: rxn02918.seq check: 9454 from: 1 to: 441
 MSEILETYWA PHFGKTEEAT ALVSYLAQAS GDPIEVHTLF GDLGLDGLSG NYTDTEIDGY
 GDAFLLVAAL SVLMAENKAT GGVNLGELGG ADKSIRLHVE SKENTQINTA LKYFALSPED
 HAAADRFD ED DLSELANLSE ELRGQLD

>RXN02965 TRANSLATE of: rxn02965.seq check: 5418 from: 1 to: 591
 MEKFTTYTGV GVPLQRSNVD TDQIIPAVYL KRVTRTG FED GLFSNWRQND PNFVLNTDTY
 KNGSVLVAGP DFGTGSSREH AVWALMDYGF RAVFSSRFAD IFRGNSGKAG MLTGIMEQSD
 IELLWKLMEQ TPGLELTVNL EKQIVTAGDV VISFEVDPYI RWRLMEGLDD AGLTLRKLDE
 IEDYEAKRPA FKPRNTA

>RXN02970 TRANSLATE of: rxn02970.seq check: 6259 from: 1 to: 1368
 LALRGYTNFD GEFIEFGSVQ AKEEEKRAFD NDRAHVFSW SAQDKISPKV WAAAEGSTLY
 DFDGNAFIDM GSQLVSANLG HNNPRLVEAI QRQAARLTNI NPAFGNDVRS DVAAKIVSMA
 RGEFSHVFFT NGGADAIEHS IRMARLHTGR NKILSAYRSY HGATGSAMML TGEHRRLGPN
 TTDPIYHFW APFLHSSFF ATTQEEECER ALKHLEDVIA FEGAGMIAAI VLEPVVGSSG
 IILPPAGYLN GVRELCNKHG ILFIADVMV GFGRGTGKLFA YEHAGDDFQP DMITFAKGVN
 AGYAPLGGIV MTQSIRDFTG SEAYSGGLTY SGHPLAVAPA KAALEIYAEG EIIPRVARLG
 AELIEPRLRE LAEENVAIAD VRGIGFFWAV EFNADATAMA AGAAEFKERG VWPMISGNRF
 HIAPPLTTTD DELVALLDVAV EAAAQAVELT FAGALF

>RXN03003 TRANSLATE of: rxn03003.seq check: 6068 from: 1 to: 675
 MTSRTPLVSV LPDFPWDSL AAKAKAASHP DGIVNLSVGT PVDPVAPSIQ IALAEAGFS
 GYPQTIGTPE LRRAIRGALE RRYNMTKLVD ASLLPVVGTK EAIALLPFAL GISGTVVIPE
 IAYPTYEVAV VAAGCTVLRS DSLFKLGPQI PSMMFINSPS NPTGKVLGIP HLRKVVKWAQ
 ENNVILAAD CYLGLGWDE NPPISILDPR VCDGDHTNLI AIHSL

>RXN03004 TRANSLATE of: rxn03004.seq check: 4340 from: 1 to: 480
 VLLSDRDIRK SIDAGDLGIE PFDAELIQPS SVDVRMDRYF RVFNNSKYTH IDPKLNQDEL
 TSLVEVEDGE GFVLHPGEFV LASTLEKFTL PAHLAGRLEG KSSLGRLGLL THSTAGFIDP
 GFSGYITL EL SNVANLPITL WPGMKVGQLA LFQMSSPAET

>RXN03007 TRANSLATE of: rxn03007.seq check: 3470 from: 1 to: 369
 MTSPATLKV L NAYLDNPTPT LEEAIEVFTP LTVGEYDDVH IAALLATIRT RGEQFADIAG
 AAKAFLAAR PFPITGAGLL DSAGTGGDGA NTINITTGAS LIAASGGVKL VKHGNSRVSS
 KSG

>RXN03058 TRANSLATE of: rxn03058.seq check: 2459 from: 1 to: 483
 VSKLKGSRS L LDVSGGDHSF ADLAGRQVAH VDVVDPLINT TFEEFQPTQS YDAITFIASL
 HHMNAEEGLN KAVRILNPGG KLLIVGLAKN KTASDWIISG LQAFLSRPIS LINREQQIYP
 FPTKEPSES L HEIRQLTKQL LPHRRIRRG I HFRYLLEWTK P

>RXN03063 TRANSLATE of: rxn03063.seq check: 3919 from: 1 to: 1032
VEDLSYRIPQ SRTVAEQVPG PKSKALDERR QAAVARALAP GLPGYVVDAD GGILADADGN
RFIDLASGIA VTTVGGSNAA VAKAVGAAAA RETHTCFMVS PYETYVAMAE RLNALTPGDH
DKKSALFNSG AEAVENAVKV ARAYTGKGAV VVFDNAYHGR TNLTAMAMTAK NRPYKSGFGP
LAADVYRAPM SYPLRDGLSG PEAAERAISV IESQVGAENL ACVVIEPIQG EGGFIVPAPG
FLAAISTWCR ENDVVFIAD E IQSGFLRTGD WFASDAEGVI PDVITTAKGI AGGMPLSAVT
GRAEIMDAPG PGALGGTYGG NPVACAAALA AIEVMEQADL KTRA

>RXN03074 TRANSLATE of: rxn03074.seq check: 6105 from: 1 to: 498
MTQSAPEFIA TADLVDIIGD NAQSCDTQFQ NLGGATEFHG IITTVKCFQD NALLKSILSE
DNPPGGVLVID GDASVHTALV GDIIAGLGKD HGWSGVIVNG AIRDSAVIGT MTFGCKALGT
NPRKSTKTGS GERDVVVSIG GIDFIPGHYV YADSDGIIVT EAPIKQ

>RXN03105 TRANSLATE of: rxn03105.seq check: 7399 from: 1 to: 435
LILPVQEGIS YFPTPLHLNH IGGSRLSAHV EDEDLRLDRD AVSEFGRKTH ELFPGVNPEP
NRFVHYDITY TADKSPIIDA VDNVIVLTGG SGHAFKLSPA YGELAAQRAV GNTSPLYSED
FRIASHEPIK ERCTYRKLTF LSARF

>RXN03114 TRANSLATE of: rxn03114.seq check: 9278 from: 1 to: 552
TPGHFVALAR EIAGAVRREL TVGLDAGDGP ILRQSFDVGF LLVDASFHIIH INGVSTGQSV
APDDVVEVVR GLADASELSV ESVAELCTPV APVSLSEAQG NPAPIGWLEH DGVVSLGAGI
PGGRVEARLA RFIAVIEAET TITPWNLSII HDLYEGVAEQ VVKVLAPMGL VFDANSPLLE
SPAL

>RXN03137 TRANSLATE of: rxn03137.seq check: 1609 from: 1 to: 102
LELNKAAAYMF EYSFDDITVS GYDPHPLIRG KVAV

>RXN03171 TRANSLATE of: rxn03171.seq check: 5756 from: 1 to: 513
MDTIVNHPL VASRLTLLRD ERSDNAAFRA AANDLGAMLI YEASRDLEVE HFDTKTPVAM
AEGTRLKQPP IIVPIIRAGL GMIDPALSMI PDAQVGFIGL ARDEETHEPV PYLEALPQDL
SNQPVFLVDP MLATGGSLLH AIRLLADRGTA TDITAICMVS AQPQVDALAE S

>RXN03176 TRANSLATE of: rxn03176.seq check: 4586 from: 1 to: 861
ELADYIPELK SADPNPLAVA LCTVNGHIYS AGDDDIEFTM QSISKPFAYA LALQECGFDE
VSASVALEPS GEAFNELSLD GENRPMNPMI NAGAIAINQL INGSdstVED RVEKIRHYFS
ELAGRELTID RVLAESELAG ADRNLSIAHM LRNYGVIEDE AHDAVLSYTL QCAIKVTRD
LAVMTATLAA GGTHPITGKK LLDARVCRLT LSVMASAGMY DEAGQWLSTV GIPAKSGVAG
GLIGILPGQL GIATFSPRLN PKGNSVRGVK IFKQLSDDMG LHLMSTE

>RXS00116 TRANSLATE of: RXS00116.seq check: 3330 from: 1 to: 1161
MSNDFVVSRLRPFGETIFATMTQRAVEAGAINLGQGFPEDEGPRRMLEIASEQILGGNNQYSAGRGDAS
LRAAVARDHLERFDLEYNPDSEVLITVGATEAITATVLGLVEPGDEVIVLEPPYDAYAAIALAGATRV
AVPLQEVENSWDVDVKLHAAVTKKTRMIIVNSPHNPTGVSFSSKALKQLAGVARAYDLLVLSDEVYEH
LVFDDQKHVSVAKLPGMWDRVTVTVSSAAKTFNVTGWKTGWALAPEPLLEAVLKAQFMSYVGATPFQPA
VAHAIEHEQKWVSKMSKGLELKRDLRTALDKAGLKTTHDSMGTYFIVADIGDRDGAEFCELFELIEKVGVA
AIPVQAFVDHPKKWSSKVRFAFCKKEETLREAAERLKGIIKL

>RXS00147 TRANSLATE of: RXS00147.seq check: 7603 from: 1 to: 1179
VSKDTTTYQGVTEIGSVPAYLVLDAGRTFTGFGGAIGTTLGEAVFTTAMTGYQETMTDPSYHRQIVVA
TAPQIGNTGWNDEDNESRDGKIWVAGLVIRDLAARVSNWRATTSLQQEMAGQGIVGIGGIDTRALVRHL
RNEGSIAAGIFSGADAQRPEELVEIVKNQPMGTANLSVEVSADETYVIEAEGERHTVVAYDLGIKQ
NTPRRFSARGVRTVIVPAETPFEDIKQYNPSGVFISNGPGDPAAADVMVDIVREVLEADIPFFGICFGN
QILGRAFGMETYKLFKFGHRGINVPVKNHITGKIDITAQNHGFALKGEAQEFETDFGTAVTHTCLNDG
VVEGIALKSGRAYSVQYHPEAAAGPNDASPLFDQFVELMDADAQKKGA

>RXS00349 TRANSLATE of: RXS00349.seq check: 102 from: 1 to: 1467
MLSFATLRGRISTVDAKAAPPPSPLAPIDLTDSQVAGVMNLAARIGDILLSSGTSNSDTKVQVRAVT
SAYGLYYTHVDITLNTITIFTNIGVERKMPVNVFHVVGKLDTNFSKLSEVDRILRSIQAGATPPEVAEK
ILDELEQSPASYGFPVALLGWAMMGAVAVLLGGGWQVSLIAFITAFITIIATTSFLGKKGLPTFFQNVV
GGFIATLPASIAYSALQFGLKPSQIIASGIVVLLAGLTLVQSLQDGITGAPVTASARFFETLLFTG

GIVAGVGLGIQLSEILHVMLPAMESAAAPNYSSTFARI IAGGVTA AAFVGCYAEWSSVIIAGLTALMG
SAFYYL FVVYLG PVSAAAIAATAVGFTGGLLARRFLIPPLIVAIAGITPMLPGLAIYRGMYATLNDQTL
MGFTNIAVALATASSLAAGVVLGEWIARRLRPPRFNPNYRAFTKANEF SFQEEAEQNQRRQRKRPKTNQ
RFGNKR

>RXS00389 TRANSLATE of: RXS00389.seq check: 9029 from: 1 to: 1560
MITATALHGCSLIDGEWVAGKNGEITGFDPRTNASLNPSYSLANSAQLRAATTS AKRAFESYRLTTPEV
RADFLDSIADNIDALSGEIVQASLETGLGTTRLTGEVARTSNQLRLFAETVRSQQFHRVRIERGPRID
LRQRQVPLGPVAVFGASNFPVAFSTAGGDTASALAAGCPVVFKAHNAHPGTAELVGQAVRGAVEKHEFD
AGVFNLVYGRGVEIGQELAADPNITAIGFTGSRQGLALSQTAFSRPVPVPVFAEMSATNPVFPFGAL
ADLDASSSLAEAFSTASVTGSSGQLCTKPGLVFI PRGVVGDAFVALVAAKF KETTGTMTLTQGIAQAWQR
GVDNLAAQPSVKILAQGT PGDGENAPGPVVFESDVQALLNNVVLQEEI FGAASLVVRYDSPDQLHQVAN
SLEGQLTATI HASQDDFQEVSKLIPLLEDLAGRVLYGGWPTGVEVGHTVIHGGPYPATSNQAQSTSVGTL
AIERFMRPVS YQTFPAELLDPDPVSEANKWAVPREIDR

>RXS00391 TRANSLATE of: RXS00391.seq check: 5340 from: 1 to: 720
LLRDSQRVGLAIDPSIALVMATSGSTGT PKGAQLTPLNLVSSADATHQFLGGEGQWLLAMPAHHIAGMQ
VLLRSIAGVEPLAIDLSTGFHIDAFAGAAAE LKNTGDRVYTS LTPMQLLKAMDSLQGIEALKLF DVL
VGGAALSKQARISAEQLDINIVTTYGSSETSGGCYVDGKPIPGAKVRISDERIELGGPMIAQGYRNAPE
HPDFANEGWFTTSDSGELHDGILT VTGRVDTRH

>RXS00393 TRANSLATE of: RXS00393.seq check: 4530 from: 1 to: 894
MSHTEPQPN SVTLSDWIQGAR PRTWANAFAPVIAGSGVAAFHDG FVWWKALLALVVAWALIIGVNYAND
YSDGIRGTDEDRGTG PLRLTGSGLAEPKKVKA AAFISFGIAGVAGTALSLLSAWWLILIGILCVLGAWFY
TGGKNPYGYRGLGEIAVFIFFGLVAVMGTQFTQTG SVSWAGLAAVGVGMSAGVNLANNIRD IPTDSK
TGKITLAVRLGDAGARKLFLALISTP FIMSICLAFVAWPALIAIIVFPLALKAAGPIRNNATGKD LIPV
IGSTGRAMALWAVLTGLALAFS

>RXS00405 TRANSLATE of: RXS00405.seq check: 4870 from: 1 to: 513
MPKYDNSNADQWGFETR SIHAGQSVDAQTSARNLP IYQSTAFVFD SAEHAKQRFAL EDLGPVYSRLTNP
TVEALENRIASLEGGVHVAFAFSSGQAATTNAILNL AGAGDHIVTS PRLYGGTETLFLITLNLRLGIDVSF
VENPDDPESWQA AVQPNTKAFFGETFANPQADV

>RXS00419 TRANSLATE of: RXS00419.seq check: 8218 from: 1 to: 759
MLNAVGKAQNILLGGTSEIGISIVSRFLKQGP SHVTLAARKDSPRVDA AVAEIKAAGAASVAVVDFDA
LDTESHPAAIDAAFENG DVDVAIVAFGILGDNEAQRDQALAVEATT VNYTAGVSVGVLLGQKFEQQGH
GTIVALSSVAGQRRVRSNFVYGS AKAGFDGYTQLGEALRGSGANVLVVRPGQV RTKMSADGGEAPLTV
NREDVADAVYDAVVNKKDII FVHPLFQYVSFAFQFI PRAIFRKLPF

>RXS00446 TRANSLATE of: RXS00446.seq check: 3948 from: 1 to: 864
MGAVELREALAEHLEVEFDQVT VGCSSALCQQLVQATCAQGD EIVFPWRSFEAYPIFAQVAGATPVAI
PLTADQNHDL DAMAAAITDKTRLIFICNPNNPSGTTITQAQFDNFM EKVPNDVVVGLDEAYFEFN RADD
TPVNAEEIHRHDNVI GLRTFSKAYGLAGLRVGYAFGNAEIIAAMNKVAI PFAVN SAAQAAALASLNSAD
ELMERVEETVEKRDAVVSALGAAPTQANFVWLPGE GAAELAAKLAEHGIVIRAFPEGARISVTNAEETD
KLLRAWEAINAG

>RXS00618 TRANSLATE of: RXS00618.seq check: 4181 from: 1 to: 1107
MQMLDRVHRRRREGKDTLMFCAGQPSTGAPEAVIEEAEIALRSGPLGYTEVIGDREFRERIADWHSATY
DVDTNPDNVIVTTGSSGGFVASFIATLDHGDYVAMPTPGYPARNILES LGAKVLNLRCTAETRFQPTA
QMLEELPHKPKAVIVTSPGNPTGTIIDPEELERIAKWCDND AVLISDEDYHGMSFGRPLATAHQFSKN
AIVVGTLSKYFSMTGWRVGWII VPDDELVTPIENLQASLSLCPAIGQAAGRAAFTLEAGAE LDAHVEAY
REAREVFVDKLPEIGLGT FADPDGGLYLWVDVSAYTDDSEEWALRL LDEAGVAVAPGVDFDPEEGHKWI
RLSLCASKEDTIEGVRKIGEFIKK

>RXS00838 TRANSLATE of: RXS00838.seq check: 1249 from: 1 to: 900
MKIAIVGAGAVGGYFGALLQESGADITMVARGRTLEALKSKGLHINDARGER YVPIPAVASVQELKDAD
VVMIA TKALSRSLDLAELLGGIPANSVVAITQNSIESADLA AKSIGADRVWPGVVRGFFVHEGPASVSY
KGGPLSYTFGDSGELSRQFASTLEQAGIDGVLHPDILVDVWEKAMFVEVFGGLGAFVEKQLGTLRTHFR
ASLEALMEEVAEVARAAGVALPSDAVERTMNFADRM PENSTSSMQRD LAAGVASELEAQTGAIVRAAHK
VGVKTP LHDLIYAGLKLKEEENSL

>RXS00870 TRANSLATE of: RXS00870.seq check: 4548 from: 1 to: 1512
 MSEPQTISHWIDGAISPSTSGKTAPVYNPATGQVTANVALASQEEIDATIASATKAAKTWGNLSIAKRQ
 AVLNFNRELLNARKGELAEIITAHEGKVLS DAMGEILRGQEVVELATGFPHLLKGAFNENVSTGIDVYS
 LKQPLGVVGIIISPFNFAMVPMWFFPIAIAAGNAVILKPSEKDP SAALWMAQIWKEAGLPDGVFNVLQG
 DKLAVDGLLNSPDVSAISFVGSTPIAKYIYETSAKNGKRVQALGGAKNHMLVLPDADLDLVADQAINAG
 YGAAGERCMASVSVLAIESVADELIEKIKERIDTLRIGNGAGDEQGEPLGLITDVHRDKVASVYDIA
 EADGAKIIVDGRNCAVDGHEEGFFFGPTLIDDIPLTFRAYTEEIFGPVLSVVRVASFDEAIELINSGEF
 GNGTAIFTNDGGAARRFQHEIEVGMIGINVPIPVVPVAYHSFGGWKNSLFGDAKAYGTQGDFDFFTREKAI
 TSRWLDPATHGGINLGFPQND

>RXS00905 TRANSLATE of: RXS00905.seq check: 8965 from: 1 to: 801
 MTQFENAQVLKENIENQREQIFTQLKEIVSFNSVHSDPNLLEDYAGAKEWVKETLTNAGLTVSEFAAED
 GTTNFIGTRKGSEGAPKVLLYSHFDVVPSPGLDLWDTNPFELTERDAGHGTRWYGRGAADCKGNLVMHL
 AALRAVEASGDTTLNLTYVVEGSEEMGGGALSALIKDKPELFDADVILIADSGNASVGTPTLTTLTTRGG
 GQVTVTVDTLEGAVHSGQNGGAAPDAVAALVRVLDTLRDEHGRTVIDGCQHHRKLEGRAL

>RXS00906 TRANSLATE of: RXS00906.seq check: 3597 from: 1 to: 504
 MNTDAPLSTAVNTTANWKGEYPDPETFRSDAGILDGVDIMGDGDNPASMLWSRPAISITGFTSTPVAEA
 LNAV PATASAKLNL RVPAGLEANDVAEKLKQHLINHTPWGAKITVEIDINQPFSTDITGPAMSTLASC
 LSAAYEGKDLVTEGSGGSIPLCTELIEVNP

>RXS00907 TRANSLATE of: RXS00907.seq check: 9200 from: 1 to: 123
 LALYGVEEPLTVIHSANESVDPNEIRDIATAEALFLLNYTK

>RXS00998 TRANSLATE of: RXS00998.seq check: 1808 from: 1 to: 462
 MTSRDDQPQDLLSLAELAATRALTTDELEALNNANYGLDRNLGLRYTTIEPGRVVSSELHVASKHLQVVG
 LVNGGVYAAIAESTGSVASMISAPGKMVVGINNTDFISAVSSGVIVAEATPIQLGGRTHLWQIECTHR
 GEVVARTTLRTMVLNK

>RXS01105 TRANSLATE of: RXS01105.seq check: 6552 from: 1 to: 1098
 MTKITLSDLPLREELRGEHAYGAPQLNVDIRLNTNENPYPPSEALVADLVATVDKIA TELNRYPERDAV
 ELRDELAAYITKQTVAVTRDNLWANGSNEILQQLQAFGGPGRTALGFQPSYSMHPILAKGTHTEFI
 AVSRGADFRIDMDVALEEIRAKQPDIVFVTTNNPTGDVTSLLDDVERIINVAPGIVIVDEAYAEFSPSP
 SATTLLEKYPTKLVSRTMSKAFDFAGGRLGYFVANPAFIDAVMLVRLPYHLSALSQAAAIVALRHSAD
 TLGTVEKLSVERVRVAARLEELGYAVVPSESNFVFFGDFSDQHAAWQAFLD RGVLRDVGIAGHLRTTI
 GVPEENDAFDLAAAEI IKLNL

>RXS01130 TRANSLATE of: RXS01130.seq check: 121 from: 1 to: 603
 MDLARKLGLLAGKLVDAAAPVSIEVEARGELSSSEQVNALGLSAVRGLFSGII EESVTFVNAPRIAEERGL
 DISVKTNSVSVTHRSVLQVKVITGSGASATVVGALTGLERVEKITRINGRGLDLRAEGLNLF LQYTDAP
 GALGTVGTKLGAAGINIEAAALTQAEKGDGAVLILRVESAVSEELEAEINAELGATS FQVDLD

>RXS01145 TRANSLATE of: RXS01145.seq check: 748 from: 1 to: 1014
 MAIELLYDADADLSLIQGRKVAIVGYGSQGHASQNL RDSGVEVVIGLREGSKSAEKAKEAGFEVKTTA
 EAAAWADVIMLLAPDTSQAEIFTNDIEPNLNAGDALLFGHGLNIHFDLIKPADDIIVGMVAPKGP GHLV
 RRQFVDGKGVPCLIAVDQDPTGTQAQALTSYAAAIGGARAGVIPTTFEAETVTDLFGEQAVLCGGTEEL
 VKVGFEVLTEAGYEP EMAYFEVLHELKLIVDLMFEGGISMNYSVSDTA EFGGYLSGPRVIDADTKSRM
 KDILTDIQDGTFTKRLIANVENGNTELEGLRASYNHPIETGAKLRDLMSVWKVDARAETA

>RXS01183 TRANSLATE of: RXS01183.seq check: 908 from: 1 to: 303
 MAFSVEMPELGESVTEGTITQWLKSVGDTVEVDEPLLEVSTD KVDTEIPSPVAGVILEIKA EEDDTVDV
 GGVIAIIGDADETPANEAPADEAPAPAE EEEEP

>RXS01260 TRANSLATE of: RXS01260.seq check: 3260 from: 1 to: 1182
 VTFNYEDAHKRSRGVSDKIVGGVHYLMKKNKII EIHGLGNFKDAKTLEVT DGKDAGKTITFDDCIIATG
 SVVNTLRGVDFSENVVSFEEQILNPVAPKKMVIVGAGAIGMEFAYVLGNYGVDVTVIEFM DRVLPNEDA
 EVSKVIAKAYKKMGVKLLPGHATTAVRDNGDFVEVDYQKKGSDKTETLTVD RVMVSVGFRPRVEGFGL
 NTGVKLTERGAIEIDDMRTNVDGIYAIGDVTAKLQLAHVAEAQGI VAAETIAGAETQTLGDYMMMPRA
 TFCNPQVSSFGYTEEQAKEKWP DREIKVASFPFSANGKAVGLAETDGF AKIVADA EFGELLGAHLVGAN
 ASELINELVLAQNWDLTTEEISRSVHIHPTLSEAVKEAAHG ISGHMINF

>RXS01261 TRANSLATE of: RXS01261.seq check: 5376 from: 1 to: 171
VTEHYDVVVLGAGPGGYVSAIRAAQLGKKVAVIEKQYWGGVCLNVGCIPSKVSDQKR

>RXS01807 TRANSLATE of: RXS01807.seq check: 712 from: 1 to: 792
MPSAGEEILEQRAQLEFDQRRADVMMIGSQVYVGSVGLSAAIPVMHNEGLRVVAVPTVVLSSMPRYASS
HRQPMSDQWLADALQDLVDLGIIDEVSTISTGYFTSASQVRVVAWLQKIRETHPHVRIVVDFIMGDS
VGIYVADEIATAICQDLCLPLATGIIPNAFELSHMVGSGDPRSLGPFGEWIIITSATETVGTTVTRIVT
RDSVQEIASATVDTTAKGAGDVYAAALIAALHKDFSLIDAASHASNTVCAGLQTKAL

>RXS02001 TRANSLATE of: RXS02001.seq check: 4280 from: 1 to: 1158
MPVINSIASFSDEMTRWRRHLHQNPEISFDCVETAAFAEQLRSGVDEIHTGIAKTGIIALIHGREAG
PVVGLRADMDALPLTEITGVYASTTPGKMHACGHDGHTTMLLGAACKYLAETRNFAGTVALIFQPAEEN
GGGAGVMVDEGLDRFAIAEVYALHNQPLPLGHFMTTAGPIMAAVDTFDINITGRGGHGAKPHQTRDP
IVAAVGIVQAFQITIVSRNHNPNVEDLVVSVTQIHTGSADNIIPETAYINGTVRTFNKDVQAMVITRMEEI
VAGQAAAYGVEATLTYNRNYPATINDAAKAAIAAEVAGEVGLGVNPNNGSRMGAEDFSFLYFLEKRPAYL
FVGNGDSAGLHNPAYNFNDEAAPYGASFLARMAERPLPLKG

>RXS02021 TRANSLATE of: RXS02021.seq check: 9962 from: 1 to: 948
MSENIRGAQAVGIANIAMDGITLDTWPEPQIFNPDQWAERYPLEVGTTRLGANELTPRMLQLVKLDQD
RLVEQVAVRTVIPDLSQPPVDAHDVYLRHLHLSSHRLVRPHEMHMQNTLELLSDVWVTNKGPCLPENFEW
VRGALRSRGLIHVYCVDRLLPRMVDYVVPVPGVRISEAERVRLGAYLAPGTSVLREGFVSFNSGTLGAACKV
EGRLLSSGVVIGEGSEIGLSSTIQSPRDEQRRRLPLSIGQNCNFGVSSGIIGVSLGDNCDIGNNIVLDGO
TPIWFAADEELRTIDSIEGQANWSIKRESGFHEPVARLKA

>RXS02101 TRANSLATE of: RXS02101.seq check: 3861 from: 1 to: 1263
MSRISELLNNHGVDSLWQEAAYQDFHEHPELSGFESETADRIQKYLERFDCEVIPNVGGYGILAVFRNG
STDPGAPVALMRADFDGLPVKEITGVPFSTRMRPHDGANVHVMHACGHVHVVTALLGACAILDERRDA
WEGTFIALFQPPSEENSQGANMVAAGGLVDLIPRPDVCFGQHVVPGAAGTVMSMPGGALAACDSIEIRIQ
GRSAHGSMPHNSIDPTYAAMIVVRLQGIQVREVSPEDFAVISVGTLSGNTNNTIPASARLVNCRFY
NDKVKHKVYRAIERVVRGECLASGIEEPEVIEYFAHGDLTNNTPVVFDTVRPVFDDVFGEDSIDAYRWT
ASEDFPSIPKAFNSPYLYWTIGVTPRDQWTEAVERDRVASDVPANHMGDFLPDYAPTMSAATRAAAAAAL
LTYLGTN

>RXS02157 TRANSLATE of: RXS02157.seq check: 5341 from: 1 to: 1173
MSTLETWPQVIINTYGTTPVELVSGKGATVTDDQGNVYIDLLAGIAVNALGHAHPAIEAVTNQIGQLG
HVSNFLASRPVVEVAEELIKRFLSDDATLAAQTRVFFCNSGAEEANAAFKIARLTGRSRILAAVHGFHG
RTMGSLALTGQPDKREAFLLPMPSGVEFYPGDLDYLRKMVETNPTDVAAIFLEPIQGETGVVPAPEGFL
KAVRELCDYGLMITDEVQTVGRTGDFFAHQHDGVVPDVVTMAKGLGGGLPIGACLATGRAAEMLTP
GKHGTTFGGNPVACAAKAVLSVVDADFCAEVARKGELFKELLAKVDGVVDVRGRGLMLGVVLERDVAK
QAVLDGFKHGVLNAPADNIIRLTPLPVITDEEIADAVKAIETIA

>RXS02197 TRANSLATE of: RXS02197.seq check: 490 from: 1 to: 528
AERMRFSPRQQRGRFLCIADFIQPREQAVKDGQVDVMPFQLVTMGNPFIADFANELFAANEYREYLEVH
GIGVQLTEALAEYWHRSRSELKLNDDGGSVADFDPEDKTKKFFDLDIRGARFSFGYGSCPDLEDRAKLVE
LLEPGRIGVELSEELQLHPEQSTDAFVLYHPEAKYFNV

>RXS02234 TRANSLATE of: RXS02234.seq check: 4131 from: 1 to: 3339
MPKRSIDINHLVIGSGPIVIGQACEFDYSGTQACRVLKEEGLRVTLINSNPATIMTDPEDADHTYVEPI
EPEYIDKIFAKEIEQGHPIDAVLATLGGQTALNAIQLDRLGILEKYGVELIGADIDAERGEDRQKFK
DIVTTIGGESARSRVCHNMEEVHETVAELGLPVVVRPSFTMGGLGSGLAYNTEDLERIAGGGLAASPEA
NVLIEESILGWKEFELELMRDTADNVVVICSIENVDALGVHTGDSVTVPALTLTDREFQKMRDQGI
IREVGVDGTGGCNIQFAINPVDGRIITIEMNPRVRSALASKATGFPIAKMAAKLAIGYTLDEITNDIT
GETPAAFEPTIDYVVVKAPRFAFEKFGVADDTLTMTKSVGEVMSLGRNYIAALNKAIRSLKETKQGW
TKPDEFFAGERATDKAAVLEDLKRPTGRLYDVELAMRLGASVEELYEASSIDPWFLAELEALVQFRQK
LVDAPFLNEDLLREAKFMGLSDQLAALRPEFAGEDGVRTLRLSLGIRPVFKTVDTCAAEEFAKTPYHY
SAYELDPAAESEVAPQTEREKVLILGSGPNRIGQIEFDYSCVHALELSRVGYETVMVNCNPETVSTD
YDTADRLYFEPLTFEDVMEVYHAEAQSGTVAGVIVQLGGQTPLGLADRLKAGVPVIGTSPEAIDMAED
RGEFGALLNREQLPAPAFGTATSFEEARTVADEISYPVLVRPSYVLGGRGMEIVYDEASLEDYINRATE
LSSDHPVLVDRLDNLAEIDVDALCDGDEVYLAGVMEHIEEAGIHSAGSACALPPMTLGAQDIEKVREA
TKKLALGIGVQGLMNVQYALKDDILYVIEANPRASRTVPFVSKATGVNLAKAASRIAVGATIKDLQDEG
MIPTEYDGGSLPLDAPIAVKEAVLPFNRFRPDGKTLDTLLSPEMKSTGEVMGLANNFGAAYAKAEAGA

FGALPTEGTVFVTVANRDKRTLILPIQRLALMGYKILATEGTAGMLRRNGIECEVVLKASDIREGVEGK
SIVDRIREGEVDLILNTPAGSAGARHDGYDIRAAAVTVGVPLITTVQGVTA AVQIEALREGVVSVAL
QELDHAVKA

>RXS02262 TRANSLATE of: RXS02262.seq check: 7976 from: 1 to: 1146
MTATYTTTETAINFLFLSEPDMAAGVKDVAQCVDVMEETLVLLAQGDYK MAGLNSNSHGAMITFPENPE
FEGMPKDGPDRRFMAMPAYLGGRFKNTGVKWYGSNAENKASGLPRSIHTFVLNDTVTGAPKAIMSANLL
SAYRTGAVPGVGKHLAVADATTLAVVGPGVMAKTITEACIAERPGITTIIKIKGRSERGINAFATWALE
KFPEIEVVAVGSEEDVVKDADIVIAATTTDAAGSSAFPYFKKEWLKPGALLLLPAAGRFDDAYLLDDAR
LVVDYMGLEYEAWAEYGPQAYQLLGIPGTHWYDLALQGLDLAKISQIGDICSGLPGRTNDEEIIILYS
VGGMPVEDVAWATQVYENALEKGVGTTLNLWESPALA

>RXS02299 TRANSLATE of: RXS02299.seq check: 8495 from: 1 to: 408
MLRTILGSKIHRATVTQADLDYVGSVTIDADLVHAAGLIEGEKVAIVDITNGARLETYVIVGDAGTGNI
CINGAAHLINPGDLVIIMSILQATDAEAKAYEPKIVHVDADNRIVALGNDLAEALPGSGLLTSRSI

>RXS02315 TRANSLATE of: RXS02315.seq check: 920 from: 1 to: 1629
MSSTPAQDLARAVIDSLAPHVTDVVLCPGSRNSPLSLELLARQDLRVHVRIDERSASFLALS LARTQAR
PVAVVMTSGTAVANCLPAVAEAAHAHIPLIVLSADRPAHLVGTGASQTINQGTGIFGDLAPTGVGITELDQ
VAQIAESLAQGASQIPRHFNLALDVPLVAPELPELHGEAVGASWTHRWINHGEVTVDLGEHTLVIAGDE
AWEVEGLEDVPTIAEPTAPKPYNPVHPLAAEILLKEQVSAEGYVVNTRPDHVIIVVGHPTLHRGV LKMS
DPGIKLTVLSRTDIITDPGRHADQVGSTVKVTGTQEKQWLKICSAASELAADGVRDVLNDQEF GFTGLH
VAAAVADTLGTGDTLFAAASNSIRDLSLVGMPFDGVDTFSPRGVAGIDGSAQAIGTSLAVQSRHPDEI
RAPRTVALLGDL SFLHDIGGLLIGPDEPRPENLTI VVSNDNGGGIFELLETGADGLRPNFERAFGTPHD
ASIADLCAGYGIEHQVVDNLQDLIIALVDTTEVSGFTII EASTVRDTRRAQQQALMDTVH

>RXS02319 TRANSLATE of: RXS02319.seq check: 7220 from: 1 to: 957
MSNYSTDNPFDPQTQWATVPGFEEFTDITYHRHVGTTRADGIVRIAFDRPEVRNAFRPHTVDELYQALDH
ARRTPDVG TILLTGNGPSEKDGGWAFCSGGDQRI RGRSGYQYATEHARD DATADVFTVDIARTKVEGGR
LHILEVQRLIRTMPKVVI AVVNGWAAGGGHSLHVCDLT IASRQEARFKQTDADVGSFDAGYGSAYLAK
MVGQKNAREIFFLGRTYDAERMQQMGAVNIVADHG DLEKEA IQAAREINTKSPTGQRM LKFAFNLTDDG
LMGQQVFAGEATRLAYMTDEAVEGKEAFLEKREPWNNEFPYYY

>RXS02550 TRANSLATE of: RXS02550.seq check: 5515 from: 1 to: 1311
VTTDKRKTSKTTDTANKAVGADQAARPTRRTRRIFDQSEKMKDVL YEIRGPVAAEAERMELDGHNILK
LNTGNPAVFGFDAPDVIMRDMIANLPTSQGYSTSKGII PARRAVVTRYEVVPGFPHFDVDDVFLNGVS
ELITMTTQALLNDGDEVLI PAPDYPLWTAATSLAGGKPVHYLCDEEDDWNPSIEDIKSKISEKTKAIVV
INPNNPTGAVYPRRVLEQIVEIAREHDLILADEIYDRILYDDAEHISLATLAPDLLCITYNGLSKAYR
VAGYRAGWMVLTGPKQYARGFIEGLELLAGTRLCPNVPAQHAIQVALGGRQSIYDLTGEHGR LLEQRNM
AWTKLNEIPGVSCVKPMGALYAFPKLDPNVYIEHDDTQLMLDLLRAEKILMVQGTGFNWP HHDHFRVVT
LPWASQLENAIERLGNFLSTYKQ

>RXS02556 TRANSLATE of: RXS02556.seq check: 1750 from: 1 to: 1158
LIVSTQPI TDRSALSAEHAIEVIKATLPLVGGKINEITPVFY NKMFAAHP ELIANTFN RGNQKQGDQQA
LAASIATFATMLVTPDAPDPVQLLSRIGHKHVSLGITADQYDIVHEHLFAAIVEVLGAETVTAPVAEAW
DAVYWIMANVLIGFENNLYASNDLEPGDVFREVTVTAKKQLSATVWEYTLAGELVAPEPGQYTSIGVVL
DDGARQLRQYSLLGSDTEYRIAVEDNGEVSGFLRDRVSVGDKIEATIAAGDLVLNKDTPNVVLISQGI
GSTPMVGMLAGMNPERRDVVVLHADQAESTYAQVEEVQGLVEKLPKAAFEI FYRDNDQWLEVAGRIPSGA
SVYLCGGVEFLKNVREQIEALDEQPRDVNFELFAPNDWLIS

>RXS02560 TRANSLATE of: RXS02560.seq check: 4626 from: 1 to: 867
MQGNSLNLADNSERKKPMPSPGELLAARYGQPATWT PPQWNETLDVIHQHRSVRRWLDKPVDDDTIRTI
ISAAQSAGTSSNKQVISVIVVKDPELRKGLAGITRQMFP HLEQVPAVLIWLIDYSRISAVAAREDLPTG
ALDYLDEAAWGFLDAGIAAQNAAIAAESLGLTLYLGSVRND AEAVHKLGLPPEIVPVVGLEMGHADP
PEPAGIKPPLQEAIVHWDITYTEKNLELIDSYDRALD TYYSRYGQHQLWSKQTAHRAASKSF SKTNRQF
LRGVFERAGFGLR

>RXS02565 TRANSLATE of: RXS02565.seq check: 9394 from: 1 to: 1266
VNDLTPDSGQEIRNAESLERFFEGTPNVKITKLEPHPGRTSIIIVTVPGSDPDAEPLTLLGHTDVVPVDL
PKWTKDPFGAEISDGQIWGRGSVDMLFITATQA AVTRQVAREGGLRGTLTFVGVADEEARGGLGAKWLS
EEHQNLFSWKNCLESSEGGSHLPVHDGSDAVVINVG EKGAQQRRIVHNGDAGHGSIPFDRDSAIVKIGEV

ARRIAAADLKVAKDDIWQGFVQAHFRDPETEQALLSGTSPEAYAEFGGLSRFAHAVSHLTIAQTVVRAG
QAINVLP SHAYLELDIRTLPGQTNDYVDDTLRAALGDLADEVEIEHLISEEATVSPTDSRLYNTLEKVL
GDFFPDAPVVP I ISSGGSDLRFGRRLGGVGYGFAVHARERTLAEAMGQLHSHDEALYLEDELTVRGYD
SVVREFLG

>RXS02908 TRANSLATE of: RXS02908.seq check: 6002 from: 1 to: 261
LKLHPEVLERAIAIDIKGVTAACVVGIPDPRLGQAIVAAYSGSISPSEVIEGLDDLPRWQLPKRLKHLES
LPSIGPGKADRRRAIAKLF

>RXS02937 TRANSLATE of: RXS02937.seq check: 1915 from: 1 to: 402
VISNGEGPVVALRGDIDALPMAERSGKEYAATGVTQVDNTTGQETPVAHTCGHDVHISSLLGAVQAFNS
HRELWNGTLMMAVFQPAEETAAGARMMADQDNAPGNHSPAFAPDMQPTLDRGVEALVVAASAWLVK

>RXS02970 TRANSLATE of: RXS02970.seq check: 6259 from: 1 to: 1368
LALKGYTNFDGEFIEFGSVQAKEEEKRAFDNDRAHVHFSWSAQDKISPKVWAAEGSTLYDFDGNAFID
MGSQVLVSANLGHNNPRLVEAIQRQAARLTNINPAFGNDVRSDDAAKIVSMARGEFSHVFFTTNGGADAIE
HSIRMARLHTGRNKILSAYRSYHGATGSAMMLTGEHRRLLGNPTTDPDIYHFWAPFLHSSFFATTQEEE
CERALKHLEDVIAFEGAGMIAAIVLEPVVGSSGIILPPAGYLNGVRELCNKHGILFIADDEVVMVGFGRGTG
KLFAYEHAGDDFQPDMITFAKGVNAGYAPLGGIVMTQSIRDFTGSEAYSGGLTYSGHPLAVAPAKAALE
IYAEGEIIIPVARLGAELIEPRLRELAENVAIADVRGIGFFWAVEFNADATAMAAGAAEFKERGVWPM
ISGNRFHIAPPLTTTDELVALLDAVEAAAQAVELTFAGALF

>RXS03003 TRANSLATE of: RXS03003.seq check: 6068 from: 1 to: 675
MTSRTPLVSVLPDFPWSLASAKAKAASHPDGIVNLSVGTVPDVPAPSIQIALAEAGFSGYPQTIGTP
ELRAAIRGALERRYNMTKLVDASLLPVVGTKAIALLPFALGISGTVVIPEIAYPTYEVAVVAAGCTVL
RSDSLFKLGPQIPSMMFINSNPTGKVLGIPHLRKVVKWAQENNVILAADECYLGGLGWDDENPPISIL
DPRVCDGDHTNLIAIHS

>RXS03026 TRANSLATE of: RXS03026.seq check: 3330 from: 1 to: 267
MPGKILLNPNLMLGKREPDIYGHDTLEDVVALATAEAAKHGLEVEALQSNHQGELIDALHNARGTH
IGCVINPGGLTTLRWRFWML

>RXS03074 TRANSLATE of: RXS03074.seq check: 6105 from: 1 to: 498
MTQSAPEFIATADLVDIIGDNAQSCDTQFQNLGGATEFHGIIITTVKCFQDNALLKSILSEDNPGGVLVI
DGDASVHTALVGDIAGLGKDHGWSGVIVNGAIRD SAVIGTMTFGCKALGTNPRKSTKTGSGERDVVVS
IGGIDFIPGHYVYADSDGIIIVTEAPIKQ

>RXS03112 TRANSLATE of: RXS03112.seq check: 9249 from: 1 to: 504
VEIFGKTVGIVGFGHIGQLFAQRLAAFETTIVAYDPYANPARAAQLNVELVELDELMRSDFVTIHLPK
TKETAGMFDHLLAKSKKGQIIINAARGGLVDEQALADAIESGHIRGAGFDVYSTEPCTDSPLFKLPQV
VVTPHLGASTEAAQDRAGTDIADSVLKALA

>RXS03158 TRANSLATE of: RXS03158.seq check: 9521 from: 1 to: 564
LHSTTKYIEGHSDVVGGLVGTNDQEMDEELLFMQGGIGPIPSVFDAYLTARGLKTAVRMDRHCDAEK
IAEFLDSRPEVSTVLYPGLKNHPGHEVAAKQMKRFGGMISVRFAGGEEAAKKFCTSTKLICLAESLGGV
ESLLEHPATMTHQSAAGSQLEVPRDLVRISIGIEDIEDLLADVEQALNNL

>RXS03159 TRANSLATE of: RXS03159.seq check: 3925 from: 1 to: 738
LSFDPNTQGFSTASIHAGYEPDDYYGSINTPIYASTTFAQNAPNELRKGYEYTRVGNPTIVALEQTVA
LEKAYGRAFSGMAATDILFRIILKPGDHIVLGNDAYGTYRLIDTVFTAWGVEYTVVDTSVVEEVKA
AIKDN TKLIWVETPTNPALGITDIEAVAKLTEGTNAKLVDNTLASPYLQQPLKLGAAHASPCTPPPSTS
KDTPTLLAALWVPTTRKWTNCCSCRAASDRSHQFSMHT

>RXS03183 TRANSLATE of: RXS03183.seq check: 124 from: 1 to: 417
EAEATAGKFEVQPLVGKDGVGSTLGGYNNGINVSENKATARDFIEFIINEENQTFADNSFPPVLAS
IYDESLEVEQYPYLPALKESLENAAPRPVSPFYPAISKAIQDNAYAALNGNVDDVDQATDMKAAIENAS
S

>RXS03205 TRANSLATE of: RXS03205.seq check: 311 from: 2 to: 934
DSGIPTQLVEGSWFEPVRGRTFDRIIANPPFVVGPPPEIGHVYRD SGMDLDGATALVVKEACAHLPNGGT
AHLGAWVHSADQSQQVAEWLPDNGYVAVVIERDAVSPAQYVGTWLSDESLLDRSPEAAARTTAWLN

HFEKAKVQGVGFGFIAIQRLEEDEADEKSDILAESMTQYFEDPLGPEIEEYFTRTAWLREQTRDSILSS
RFKVRPGVAREQISLADAEEGMGFSPTLRLTRTDGPRWSDVDVDEHVASIVAGLNPHGLPFEEILEMYA
MAQGIEGESLHNGAIAALVDLIRHGLVLPADLLDS

>RXS03223 TRANSLATE of: RXS03223.seq check: 402 from: 2 to: 1207
PEPVRIAIAEALGLMCAEEVQASRALPGFAQAAIDGYAVRAVDVGGEKSFSQQLPVAPPEKSLPVVGEV
AAGSQQLRLQPKQAVMVHTGAPLPLMADAVLPMASDRGRKRVTAQRPVRSGEFVRKEGDDIQPGDIA
VSAGAVLGPAQIGLLAAVGRSKVLVYPRPRMSVISVGAELVDIDRQPGLGQVYDVNSYSLAAAGREAGA
DVYRYGIAAGEPRRIKEIIESQMLRSEIIVITGAVGGAGSAGVRQVLNELGDIIDTERVAMHPGSGVQGF
LLGENKIPCFLLPSNPVASLVIFETFVRPVVRMSLGKSNAARRVVRARALNHVSVAGRKGFIRSRLMR
DAETQDYLVEALGGATGAPSHLLAGLSEANGMIRIPEDVTEIRPGDVVDVIFLAQGR

>RXC00128 TRANSLATE of: RXC00128.seq check: 1749 from: 1 to: 1704
VSKISTKLKALTAVLSVTTLVAGCSTLPQNTDPQVLRFSFGSQSTQEIAAGPTPNQDPDLLIRGFFSAGA
YPTQQYEAAYLKEGTRSTWNPAASTRILDRIDLNTLPGSTNAERTIAIRGTQVGTLLSGGVYQPEN
EFEAEITMRREDGEWRIDALPDGILLERNDLRNHYTPHDVYFFDPSGQVLVGDRLWLFNESQSMSTVLM
ALLVNGPSPAIISPGVVNQLSTDAFVGFNDGEYQFTGLGNLDDDLARLFAAQAVWTLAHADVAGPYTLV
ADGAPLLSEFPTLTDDLAEYNPEAYTNTVSTLQDGLSRVSSGNVSPQLQIWSGGDIDSAAISS
ANVVAVRHENNEAVLTVGSMEGVTSDALRSETITRPTFEYASSGLWAVVDGETPVRVARSATTGELVQ
TEAEIVLPRDVTGPISFQLSRTGVRAAMIIEGKVYGVVTRPGPGERRVTNITEVAPSLGEAALSINW
RPDGILLVGTISIPETPLWRVEQDGSASSMPSGNLSAPVVAVASSATTVYVTD SHAMLQLPTADNDIWR
EVPGLLGTRAAPVVAY

>RXC00152 TRANSLATE of: RXC00152.seq check: 9915 from: 1 to: 1296
MTGLILAIVFLVFVAVVVIKSIALIPQGEAAVIERLGSYTRTVSGGLTLLVPFVDRVARIDTRERVS
FPPQAVITQDNLTVADIVVTQINEPERAIYGVNDYIVGVEQISVATLRDVGGMTEETLTSRDVIN
RRLRGELDAATTKWGLRISRVELKAIDPPPSIQQSMKQMKADREKRATILTAEGQREADIKTAEGEKQ
AKILQAEGEKHASILNAEAERQAMILRAEGERAARYLQAQGEARAIQKVNAIKSAKLTPEVLAYQYLE
KLPKIAEGNASKMWVIPSQFSDSLEGFAKQFGAKDAEGVFRYEPNTVDEETRIANADNVEDWFSTESD
PEIAAAVAAANAVANKPVDPEPGEILSKKTARRVEPEAVLEALQNGTTTQPEVEAAPPTANFAQEFPA
QANPEDYSDQHRENPYGN

>RXC00164 TRANSLATE of: RXC00164.seq check: 2228 from: 1 to: 1689
VGRIIPRAKWWFLGALVLLSAGAYASVLVPQVLGRIVDLVSDGAQMRDFVELSVILIAVAIAGAVLSACG
FYVVSRISEKIIANLREDMVGTLGLPTHQVEDAGSGDLVSRSTDDVSELAAVTETVPILSSSLFTIA
ATIIALFSLDWQFVLIPVVVAPVYYFASKHYLSKAPDRYAAERAAMAERARKVLEAIRGRATVRAYSME
DAMHNQIDQASWSVVVKIRARTTMLILNMWMLFAEFLMLAVALVIGYKLVIDNALTIGAVTGAVLMI
RLRGPMNMFMRLVDTIQSGYASLARIVGVVADPPIPVPSGVKAPQGKVELRNVFSFSYGDSWAVKDIDI
TINSGETVALVGASGAGKTTVAALLAGLRVPDQGGQVLVDDFPVSHLSDRERIARLAMVSQEVHVFSGTL
RQDLTLAKPDASDEELAHALGQVNALDWLESLEPEGLDTPVGARGIQLEPVVAQQALALARVLLNPAIVI
MDEATAEAGSAGASALEEAADAVSKNRSALVVAHRLDQASRADQILVMDKGEVVESGTHQELLDHGGIY
QRLWTAWSVGR

>RXC00416 TRANSLATE of: RXC00416.seq check: 8529 from: 1 to: 1650
LASYLSPTALVAVLAIPLSATRLYLDGISVDQGFRTQFLTRMADDIGLSDMNYIDMPTFYFAGWFWLG
GRLANLLGLPGWEAFQPPWAIVSMVAASVLVPVWQRITGSLPVATGIALVTTCIILAMNSEEPYAAIVA
MGIPAMLVLASRIAKGDKFALAGGIIYLGVSATFYTLFTGAIASAVAVCIVVAAIVQRSIKPLLWLAV
LGGSIVIALISWGPYLLASINGAERSGDSATHYLPLEGTQFPVPFLASSVVGLLCLVGLIYLVVRFNH
NEVRAMWVGIAVFYAWMGMSMAITLLGNTLLGFRLDTVLVLI FATAGVLGIADFRLASVYQLYPTQITE
RTATHLTNLIVVLVLLGGLYYAQDLPPQKNARAIDLAYTDTDGYGERADLYPAGAARYYKDINDHLLDQG
FEPSETVVLTDDELDFMSYYPYRGYQAFSTSHYANPLGEFGNRNAFIEDLAIRSWDELADPQQFSDALNTS
PWTIPEVFIFRGSIDDPDAGWKYDVAEDLYPNNPNVRFRGVYFNPESEFDQMWQTKQVGFVVVTHNE

>RXC00540 TRANSLATE of: RXC00540.seq check: 3827 from: 1 to: 243
VARVVVNVMKPAEILDPQQAQVHRALGRIGVSGVSDVRQGRFELEVDDSVTEADLKKAETLLANTVI
EDFDVVGVEVAK

>RXC00552 TRANSLATE of: RXC00552.seq check: 471 from: 1 to: 936
VATSKILLYYAFTPLSDPKAVQLWQRELCESLNLRGRILISTHGINGTVGGDIDDCKAYIKKTREYPGF
NRMQFKWSEGGAEFDPKLSVKVRDEIVAFAFGAPDELKVDENGVVGGGVHLKPQQVNELVEARGDEVVFFD

GRNAMEAQIGKFKDAVVPDVETTHDFIAEIESGKYDDLKDKPVVITYCTGGIRCEILSSLMINRGFKEVY
QIDGGIVRYGEQFGNKGLWEGSLYVFDKRMHMEFGEDYKEVGHCICHCDTPTNKFHCLNEDDCRELVL
CPDCFANVETRHCKRERCAIAADFAEQGIDPLVTS

>RXC00560 TRANSLATE of: RXC00560.seq check: 5757 from: 1 to: 375
MRIDPLETRQAVLAVKDWIEGEDVKKPGRAALAAATRLSVRLLAQHAPGNSVEVRVPPFVAVQCIEGP
KHTRGTTPPNVETDAKTWLR LAPGQTTFDAEFESGKISASGTRAKEIADWLPVVKL

>RXC00657 TRANSLATE of: RXC00657.seq check: 8495 from: 1 to: 903
MSTEDIVVAVDGS DASKQAVRWAANTANKRGIPLRLASSYTMPQFLYAEGMVPPQELFDDLQAEALEK
INEARDIAHEVAPEIKIGHTIAEGSPIDMLLEMSPDATMIVMGSRLGGLSGMVMGVS GAVVSHAKCP
VVVVREDSAVNEDSKYGPVVVGVDGSEVSQQATEYAF AEAEARGAELVAVHTWMDMQVQASLAGLAAQ
QQWDEVERQQT DMLIERLAPLVEKYPSTVVKIITRDRPVRLAEASENAQLLVVGS HGRGGFKGMLLG
STSRALLQSAPCPMMVVRPEKIKK

>RXC00733 TRANSLATE of: RXC00733.seq check: 1945 from: 1 to: 885
MSNTAGPRGRSHQADAAPNQKAQNFGPSAKRLFGILGHDRNTLIFVIFLAVLSVGLTVLGPWLLGKATN
VVFEGFLSKRMPAGASKEDIIAQLQAAGKHQASMMEDMNLVPGSGIDFEKLAMILGLVIGAYLIGSL
SLFQARMLNRIVQSAMHRLRMEVEEKIHRPLSYFDSIKRGDLLSRVTNDVDNIGQSLQQTLSQAITSL
LTVIGVLVMMFIIISPLLALVALVSIPVTIVVTVVVASRSQKLF AEQWKQTGILNARLEETYS GHAVVKV
FGHQKDVQEAFEEENQACV

>RXC00861 TRANSLATE of: RXC00861.seq check: 5631 from: 1 to: 426
MAPHKVMLITTGTQGEPMALSRMARREHRQITVRDGLIILSSSLVPGNEEAVFGVINMLAQIGATVV
TGRDAKVHTSGHGYSGELLFLYNAARPKNAMPVHGEWRHLRANKELAI STGVNRDNVVL AQNGVVVDMV
NGRA

>RXC00866 TRANSLATE of: RXC00866.seq check: 4209 from: 1 to: 966
MNDSRNRGRKVRTRKAGPPEAGQENHLDTVPVQAPDASSNQSAVKAETAGNDNRDAAQGAQGSQDSQGSQ
NAQGSQNRESGNNNRNRSNNNRGGRGSGNANEGANNNSGNQNRQGGNRGNRGGGRRNVVKSMQGA
DLTQRLPEPPKAPANGLRIYALGGISEIGRNM TVFEYNNRLLIVDCGVLPSSGEPGVDLILPDFGPIE
DHLHRVDALVVTHGHEDHIGAI PWLLKLRNDIPILASRFTLALIAAKCKEHRQRPKLIEVNEQSNEDRG
PFNIRFWAVNHSIPDCLGLAIKTPAGLV IHTGDIKLDQTPPDGRPT

>RXC00874 TRANSLATE of: RXC00874.seq check: 2465 from: 1 to: 1089
MSIGQHIITERFYGAKSHTIDNVDIVLSRECGENTLAVVRINNALYQLLVNDDGKDVLDNHVEEVGASF
GAWTGSSAFPIGPFTPLGTEQSNSSFITADNKAIVKYFRKLESGQNPDELISKISSCPNIAPILGFSS
AEISGANYTLVMAQQYVPGLDGWSHALTTTSGSFAEDA EKIGEATRNVTALASAFPTRVVPVEALADA
LTTRLNELISQAPEIARFKEAAIDLYQSLEGEAHIQRIHGDHLGQLIKTPERYILIDFE GEPARPLNQ
RRLPDSPLKDLAGIIRSIDYAAFYDGEHTQWANEATALFLDGYGSIEDQELLNAYILD KALYEVA YEIN
NRPDWVKIPLEAVERLLD

>RXC00930 TRANSLATE of: RXC00930.seq check: 5911 from: 1 to: 753
MSGHSHKWTATKHKKAANDAKRGKEFAKLIK NIEVAARTGGGDPSANPTLDDMIKKAKKASVPNDNIERA
RKRGSGEEAGGADWMNIMYEGYGPNGVAM LIECLTDNRNRAATEVRTAMTKNGGNLGESGSVS YMFTRT
GVVTVQKGDLS EDDVLMVLEAGAEVNDNGDLFEVTCAPTDIQAVRDALVEAGIEVEDSESDFRASVQ
VPLDADGARKIFKLVDAL EDSDDVQNVYTNIDLSDEVLTLEND

>RXC00988 TRANSLATE of: RXC00988.seq check: 4588 from: 1 to: 423
MSKREESIEYGPLGKGDPLKDP MKGIRGVMAGTLVMEAITLGLVLT VILRVDDGIYWTTFNWVYVSAV
AIAHFVAAFLQRFSWSIPMNIVLQVLALAGFFVHPAMGF AAIIFIIAWAYLFYLR SNLIDRMKRGLLT
QHS

>RXC01021 TRANSLATE of: RXC01021.seq check: 6144 from: 1 to: 522
MSSSESSRSEGSQPAPSVQPERRADSTGAPAAASKEASQQMDAAGVLEWARTAVEQLSERRAEINALNV
FPVPDADTGSNMITYMTAALDEALKLGELGDVARITEALAVGSVRGARGNSGVVLSQVLRAIAQAAADG
VIDGHTIQEALS IARSLVDRAITDPVEGTVVTVLRS

>RXC01088 TRANSLATE of: RXC01088.seq check: 600 from: 1 to: 1182
MGLWIDATAGVAGDMLLGALIDAGAELEKIQQVVEA VIPGDVLLRTEEVVRQGRGIKLHVDAQHEHHH
HRHLSTIKELLVNADIPEQTKQDALGVFELIAIAEGKVHGIEPEKIH FHEVGAWDSIADIVGVCEAIRQ

LNPGLIAASPIALGFGRIKAAHGDIPVFPVPAVAELVKGWPTQTGALMESTEPVGELATPTGVALIRHFA
TQDGPFPGGIINEVGIGAGTKDTEGRPNIVRAILFNTRSNDPDRTLVQLEANVDDQDPRLWPGVIEIL
FAAGAVDAWLTPILMKKGRPAHRVSALVDSSEVEAVKTALFAATTTFGIRSWEVEREGLDRRFEQVEVD
GHTINIKIGSRDDQVISAQSEFEDIRSAVALGISEREVVARIPQGTTE

>RXC01096 TRANSLATE of: RXC01096.seq check: 6566 from: 1 to: 447
MKPRVLSALGIGAGALVWISSRMNWVTIEAFDDKSGSVTQSIVGATWSTEIMALALALLAAFAAALVL
KRMGRRIIGGISALIAVGASLSPLALLTQDPDAERARTLLTSGVASQKANSGLTLLSDWAEIINTTTHPL
AAVVAMIGCAL

>RXC01158 TRANSLATE of: RXC01158.seq check: 5695 from: 1 to: 942
MSIVEHIKEFRRLLIAGILVGTIIGFIWYDFSWQIPTLGELLRDPYCSLPAESRWAMSDSEECRL
LATGPFDPFMLRLKVAALVGMVLGSPVWLSQLWGFITPGLMKNNERYTAIFVTIAVVLVFGGAVLAYFV
VAYGLEFLLTIGGDTQAAALTGDYFGLLALLAIFGVSEFVPLVIGMLNIVGILPYDAIKDKRRMIIM
ILFVFAAFMTPGQDPFTMLVLALSITVLVELALQFCRFNDKRRDKRPEWLDGDDLSASPLDTSAGGED
APSPVETPEAVEPSRMLNPSGEASISYKPGRADFGDVL

>RXC01191 TRANSLATE of: RXC01191.seq check: 2562 from: 1 to: 1590
VGGLVDKLLATPSMRDVVVFALLIVAGGVVSSLTGWWGSALMARALEPAIAGLREDVLRRAVSLDANTI
ETAGRGDVISRIADDSREVSTAASVPLMVQAGFTTVVISAFGMAAVDWRLGLVGLVAIPLYWTTLRVY
LPRSGPLYTREREAFGVRTQRLVGAVEGAETLRAFRADTELKRIDAASGEARDISISVFRFLTWAFSR
NNRAECITLVILGTGFYLVNIDLVTVGAVSTAALIFHRLFGPIGTLVGMFSDIQSASASLIRMVGVIN
AASNQVSGTSPASASTALTLDVSHHYHTAPVIKNASVQLEPGEHIAIVGATGAGKSTLALIAAGLLSP
TSGQVALGGSSFSNVEPEALRQKIAMVSQEIHCFRGSLDNLRIARPEATDADIHAVLADIGDSWLERL
PQIDTIVGDGAFRLTSVENQIMALARVHLADLAIVILDEATAESGSDHAKQLEDAALKVTENRSIIV
AHLNQAKTADRIIVMDSGEIIESGTHEELRAIGGRYEQLWTAWSAR

>RXC01207 TRANSLATE of: RXC01207.seq check: 2212 from: 1 to: 648
VSRIYDCADQDSRAAGLKAADVAVKAGQLVVLPTDTLYGLGCDAFNNEAVANLLATKHRGPDMPVPVLV
GSWDTIQGLVHSYSAQAKALVEAFWPGGLSIIVPQAPSLPWNLDTRGTVMRLMPLHPVAIELLRQTGP
MAVSSANISGHTPPTTVLEARQQLNQNAVYLDGGEALATPSTIVDISGPAPKILREGAISAERVGEV
LGVSASLR

>RXC01434 TRANSLATE of: RXC01434.seq check: 1389 from: 1 to: 2952
VLGAVLTSLVIPVLTRAEKEDADGGSGFFRRLTSLVTLGGVTILSIIGAPLLTRMMLSSEGQVNVVM
STAFAYWLLPQIFFYGLFALFMAVLNTRVFKPGAWAPVNNVITLTVLGVYMLPARLHPHEQVGIFD
PQIIFLGVGTTLGVVAQCLIMIPYLRRAGIDMRPLWGDARLKQFGGMAMAIIVYVAISQFGYIITTRI
ASIADDAAPFIYQQHWMLLQVPYGIIGVTLTAIMPRLSRNAADGDDRAVVSDDLQLGSKLTFIALIPIV
VFFTAFGVPPIANGLFAYGQFDANAANILGWTLFSFAFTLIPYALVLLHLRVFYAREEVWTPTFIAGIT
ATKVVLSSLAPLLSSSPERVVLLGAANGFSFITGAVIGAYLLRNKLGLLGMRLAKTSLWALGSAAVG
AAAALWGLIQAUVGDFLLGLTSSVGYLLNLAVLGVFFIFVTGIVLSRSLPEVQNLGQALTRIPGLS
RFIRPNTKISLDVGEVSEQDFSTQLVAPSEFAATPVPPMSAGIVRGPRLPVGPAPVGDGRFLLADHGG
VQGARFQAREIATGKEVALIFVDTSGNAPFAPLSSAAAAGIAYEVQRRTKKLASLGSLAVAPNIHSEA
YRNGCLIVADWVPGSSLSAVAESGADPRAAAFALAELETETIGEHEMGIPAGLDNKRIRINTDGHAVL
ALPAIPDASELRDAKSLASAAEMLIDATLAPSDVKAMVTEAQGLATEDNPDYASLAMAMRTCGLFTEE
PHTLVVKEKTPKPTRDGFASDYTVKGMMAIAAVVILVSLVAAGTAFLTSFFGSSTNEQSPLASVE
ATTSATPEPVGPPVYLDLDQARTWDDGAGTDVTDVTDGNTSTAWTSTGGDGLLVDLSTPARLDRVILT
GTGSDSNVTSTVKIYAFNDASPHSLSEGIEIGTVDYSGRSLSHSIRDSSKLPQVESVVLVDEVRSQ
TSDTNPQMQUIAEVQLVGW

>RXC01518 TRANSLATE of: RXC01518.seq check: 9224 from: 1 to: 474
VAFMQKTSAGWLIATGGFLAAVSAITWRFYGSMTSISITVSITFWLLAVVCGFAGVKVQGRLEGLIG
QDKSQMNPVTIAYLAMLGRACAWGGAIFGGVYVGIGSYVIPRAGELSAASNDLPGVIAACALGGIALSAA
GLYLSRCEAPPPQSGEAS

>RXC01600 TRANSLATE of: RXC01600.seq check: 9748 from: 1 to: 669
MVSKMHIPGTHEFTVDTTELLLESPIVGRRDSLIMPGGSTARREVVEHFGAVAVVAFDGENIAMVKQY
RRSVGDSLWELPAGLLDIADEDELTAQRELMEEGLEASWSVLTDLITSPGFCDEAVRVFLARGLTK
VERPKVMGDEEADMINQWVPLHEAVGMVFSGQLVNSIAIAGVMAADAVIAGRASARAVTAPFTYRPTAL
AQRRAHGIVPDMKKL

>RXC01622 TRANSLATE of: RXC01622.seq check: 2066 from: 1 to: 603
MSDFYADRLFNAMEERNEVAPGMLLVAAAPDMASEDFERSIVLIIHSPATTFGVNISSRSDVAVANVLPE
WVDLTSTKPPQALYIGGPLSQQAVVGLGVTKPGVDIENSTSFNKLANRLVHVDLRSAPEDVADDLEGMRFF
AGYAEWAPGQLNEEIEQGDWVFTPALPSDIIAPGRVDIWDGDMRRQAMPLPLYSTFFSPDPSDN

>RXC01656 TRANSLATE of: RXC01656.seq check: 8741 from: 1 to: 897
MTETQETYQATTRVKRGLADMLKGGVIMDVVTPEQARIAEDAGASAVMALERVADIRSQGGVARMSPD
DLIEGIVNAVSI PVMAKARIGHFVEAQVLEALGVDFIDSEVLSPADYTHHINKWKFDVPFVCGATNLG
EALRRITEGAAMIRSKGEAGTGDVSEAVRHLRTIRGDINRLRSLDEDELFAAKEFQAPYDLVREVAST
GKLPVVTFFVAGGVATPADAALVRQMGAEGVFVGSGIFKSGNPAARAAAIVKAATLFDPPSVIADVSRGL
GEAMVGINVSVPAPHRLAERGW

>RXC01709 TRANSLATE of: RXC01709.seq check: 6991 from: 1 to: 432
VFEQALGLTTLAQTAGAGAAGGLGFMAMALLSAGMRSGVDMILNETGGEKMLAQADLVITGEGRIDAQ
LSGKAPTGIAKRRAKGI PVLA VCGQSLGPAISNELFEDIYSFTDFESDINECIRNPLPILEGIGFNI
AKHHLS

>RXC01711 TRANSLATE of: RXC01711.seq check: 1589 from: 1 to: 1158
MLLMAHRFFVLAINGAVTDDFTTVYSALRRFVEGIPVYNEVYHFVDPHYLYNPGATLLLLAPLGYITHFT
LARWMFI AVNLLAIVLAFGLLTRL SGWALRSMVWPIAIALAMLTETVQNTLIFSNINGILLMLAIFLW
CVVHKKSWLGGGLVIGLAILIKPMFLPLLEFLPLVKKQWGSILIGILTPVIFNAVAWFLVPGASEYVTRTM
PYLGETRDFANSSLPGLAIYFGMPTWMEITWFLIFGAMVGLAVLALLRFRNTEPYFWAATTTGVLLTG
V FFLSSSLGQMYSSMMIFPMIFTLGSRSVFHNWVAWVAAYFLLSPDTFTSQRLPDVARWMEFFSATVWG
LLIVVTFVSALIWFIGDIRAKGTPSSPITDPTHDLERTA

>RXC01715 TRANSLATE of: RXC01715.seq check: 5867 from: 1 to: 696
VSELDIKQLNKLQRYSQWAVFRAIPGALDDDRTEVTDQAAKFFADLEAEGKVTVRGIYNASGLRADADY
MIWWHAEEFEDIQKAFADFRRTTILGQVSEVFWIGNALHRPSEFNKAHLPSFIMGEEAKDWITVYPFVR
SYDWYIMEPLKRSRILREHGQAAVEFPDVRANTVPAFALGDYEWVLAFAEDELHRIVDLMHKMRYTEAR
LHVREELPFISGQRVDIADLIKVL

>RXC01796 TRANSLATE of: RXC01796.seq check: 303 from: 1 to: 774
LLLGGNPAEIDQVLGGDQTQIESGESTGAGDFDHCQTGADANASDDCRLYYTSFSVNEMWQTLLPAQAG
IEYTEPTLTFLFNSTQTGCGFASASTGPFYCPSDQDAYFDLTFFDQMRQFGAENAPLAQMYIVAHEYGH
HVQNLEGTGLSNYNPDGADSNVAKIELQADCYAGIWANHSSSEGPDPPLLQPI TESELDSALLAASAVGD
DNIQQRSGGDVNPESWTHGSSQQRKDAFLAGYNTGQMSACDFLGRGVYNDA

>RXC01942 TRANSLATE of: RXC01942.seq check: 8026 from: 1 to: 600
MLRIGLTGGIGSGKSTVADLLSSEGLIVDADQVARDIVEPGQPALAEALAEAFQDILKPDGTLDRAGL
AAKAFVSEEQTALLNAITHPRIAEESARRFNEAEDQGAQVAVYDMPLLVKGLDRKMDLVVVVDVVDVEE
RVRRLEKRGTLTEDDVRRIASQVPDDVRLKAADIVDNNGTLEDLHAEASKLIAEILSRVN

>RXC01946 TRANSLATE of: RXC01946.seq check: 7246 from: 1 to: 1275
IRKYSRLEEQFQSLGGYEADAEAAQICDNLGLEARILDQQLKTLSGGQRRRVELAQILFAATNGSGKSK
TTLLEDPTNHLADADSI TWLRDFLAKHEGGLIMISHDVELLGAVCNKIWYLDVAVRSEADVNMGFSKYV
DARALDEARRRRERANA EKKAGALKDQAARLGAKATKAAAQMIARAERMIDNLDEIRVADRAANIVF
PEPAPCGKTP LNAKGLTKMYGSLEV FAGVDLAIDKGSRVVVLGFNGAGKTTLLKLLAGVERTDGE GGIV
TGYGLKIGYFAQEHDTIDPKSVWQNTIEACADADQQSLRSLGSMFSGEQLDQAGTSLSGGEKTRLA
LATLVSSRANVLLLDEPTNNLDPI SREQVLDALRTYTGA VVLVTHDPGAVKALEPERVIVLPDGTEDLW
NDQYMEIVELA

>RXC02080 TRANSLATE of: RXC02080.seq check: 2711 from: 1 to: 807
MSIEWLQIVELGAIFGAGFLAG SINVIVGAGTLVSFPILVFLGLPPLTATIAN TIGIVPGSISGVVAYR
RELHAHVKTIRFLLPASILGGITGASLLHFSADVFTAVIPWLIGFGTLLVIAGPSIKKHVGAHTSGGI
SAGFRQLPFPSRTTFFIVSVCGALLGMYGGYFSAAQGILLIALLGITSTLQMQLNAIKNLTVA AVNLI
AASVFIIISPELISWPTVALIALGSALGGYIGGRYARRLRPSVFRFVIVGITTIVIMTIG

>RXC02095 TRANSLATE of: RXC02095.seq check: 6468 from: 1 to: 1404
MKTEQSQAQLAPKKAPEKPQIRQLISVAWQRPWLTSFTVISALAATLFELTLP LLTGGAIDIALGNT
GDTLT TDLDRFTPSGLSVLTSVIALIVLLALLRYASQFGRRYTAGKLSMGVQHDVRLKTMRS LQNLGD
PGQDSIRTGQVVSRISDINMVQSLVAMLPMLIGNVVKLVLTIVIMLAISPPLTIIAAVLVPLLWAVA

YSRKALFASTWSAQQAADLTTHVEETVTGIRVVKAFQAQEDRETDKLDLTARELFAQRMRTARLTAKFI
PMVEQLPQLALVVNIVGGGYLAMTGHITVGTFFAFSSYLTSLSAVARSLSGMLMRVQLALSSVERIFEV
IDLQPERTDPAHPLSLPDTPLGLSFNNVDFRGILNGFELGVQAGETVVLVGPPGSGKTMVQLAGNFYQ
PDSGHIAFDSNGHRTFRDDLTHSDIRRNLIAVFDEPFYSSSI PREHLDDGFGCQ

>RXC02206 TRANSLATE of: RXC02206.seq check: 8771 from: 1 to: 936
MVGSSGLRVSRLLGLTSTWGSGETELAEAGDIFKAFINSGGTLIDVSPNYTTGVAEEMLGTMLEDAEVSRS
AVVISSAGVNPALPLGRRVDCSRRNLIAQLDVTLRALNTDYLWLWSVGWDEGTPPHEVADTLDYAVR
TGRVRYAGVRGYSWQLAVTHAASNHAAASARPVVVAQNEYSLLERRAEQELLPATQHLGVGFFAGAPL
GQGVLTAKYRSEIPHDSRAASTGRDAEVQSYLDNRGRIIVDALDTAAKGLGISPAVTATTWVRDRPGVT
AVIVGARTHEQLSHLLKAESVTLPTPITQALDDVSL

>RXC02207 TRANSLATE of: RXC02207.seq check: 6831 from: 1 to: 798
MRRRSRVSRLLPATALLASTALLSACTQGVTDSPDMGKATPAVSPAASNPDGQVIEFGNITDMEVTDG
DILGVRTEDALAIGTVSDFEAGSQVELDVQKCGDLTATGGTFVLPCADGVYLIDAKDPDLDELRAIDK
PVTVAALTSDDQLLVNGEDEELTIYREGEEPETFTVAGPNTQLIAVPVIDRHDVAVRTWNENTTIQDV
DYPNDREGATLRVGLGVGMAGGEDGLLVVSDMGGQIAIYNADDVIRLQNDRPHRRGT

>RXC02238 TRANSLATE of: RXC02238.seq check: 4471 from: 1 to: 285
VTNVSNETNATKAVFDPVPGITAPPIDELLDKVTISKYALVIFAARARQINSFYHQADEGVFEFIGPLV
TPQPGKPLSIALREINAGLLDHEEG

>RXC02295 TRANSLATE of: RXC02295.seq check: 491 from: 1 to: 780
MGLELAASGWGILIAGAAVAGWIDAVIGGGGLVLIPLILAVMPQLAPVTALASNKLAAVTGTASAAFTL
VRRVKPDKLLALYVLVAVCSGAGALAASLIDKQIMRPLIIVLMLVVGLIVVFKPNFGTGESKALPTG
WKRWAAIVAVGLIAAYDGI FGP GTGMFLIMAF TALLSQNFLSSAAMAKVVNTATNLGALIVFIIGGHMW
WTLGLVLAVANVAGAQLGARTVLGGGTRLIRYALLTLVVMSVYLTWQQIQGM

>RXC02380 TRANSLATE of: RXC02380.seq check: 4082 from: 1 to: 654
MTTIVKRRARIGIMGGTFDPIHNGHLVAGSEVADRFDLVLVYVPTGQPWQKANKKVSPAEDRYLMTVI
ATASNPRFMVSRVIDIRGGDTYTIDTLQDLSKQYPDAQLYFITGADALAQIVTWRDWEKTFELAHFVG
TRPGYELDGNIIPEMHQDRVSLVDIPAMAISSDTCRERSSEERPVMWYLVDPDGVVQYIAKRQLYRPEGS
KMDMPKGGQQA

>RXC02390 TRANSLATE of: RXC02390.seq check: 7081 from: 1 to: 669
VEWTAFGTLILLNLVGLSLSPGPDFTFFLLRLATRSRAHAIAGVAGIVTGLTVWVTLTVVGAAALLTTPS
ILGIIQLVGGTYLSFIGYKLLRSASRELIDARQFRFNADARPIPDAVEALGTRTQVYRQGLATNLSNPK
VVMYFAAILAPLMPAHPSVPLAFSIIIVAILVQTFVTFSAVCLIVSTERVRKAMLRAGPWFDLLAGVVFL
VVGVTLLYEGLTGLLG

>RXC02498 TRANSLATE of: RXC02498.seq check: 7283 from: 1 to: 804
MSEEKLTVAELMARAAKEGRSTDAPRRRRRRRSIEDGGVSVAEALTGSIPAVKEKPAESKHSSVPIDAPAE
PEVVEAPKPEPAEEVEVASVEGDVDKQETPERPAPSNEETMVLRIVDEKDPISLTGAFVVPVAAPK
APVVRAEKDADVETAVKADFAEVEVDNTDTTQMAVVEEVDEEPEQENKMSVFIIIMMAIVGVVLGVVFL
LGFEMLWERLNKWIVAVLAVGVTLGMVGIIHALRTSRDGFMSVLAGIVGLVMTFGPLAIVM

>RXC02624 TRANSLATE of: RXC02624.seq check: 3015 from: 1 to: 1296
VLIPHGVAVLLVII LAVASLMFTNSSMVNLSATIAQLWLSLNLGAVDGSGEVISVLPPLPGFIFLWAI
ARIHRAVKDRVSIADLGVLAALVLGIPLALTAIAAFMLFDASSVLNVEVPPITRLLRVMLFHLALSALFLG
MGPRWLQALARRYGAPEWLIDAITQAFRLIAFGTVSLVSVLVMTAINHSAFTATMQGYDDASVVALI
VLSILYLPNMIFAMGNLIGSPLYFGDASISVFSVHSVPLPLPILAALPSEALSWAVALLVIPAIAT
WVCVRNPMRLAVNTTAAVISALCFLVLAVFAGGTGLGVNYVGLNLLASVGLVVFYFALVGLLIAGIDKL
RNPVEVKS VKAVAVPEPEPEVEEEDDEEHVEEEVDEEEVEEGVEEVEEDDAEDPEENPEEEESDEEI
ETETEAEETNDGSEAEDR

>RXC02665 TRANSLATE of: RXC02665.seq check: 7387 from: 1 to: 480
VTNPIIPRVGIATDAHQIEAGKPCWIACLLFEGVDGCEGHSDDGVVAHAIVDALLSASGLDGLSFGV
GRPEYDGVSGTQLLKEVRELLSAHGYVIGNVAAQLVGQTPKFGPRREEAQQVISEIIGAPCSLSATTTD
HMGFTGRSEGRASVATAVVWKA

>RXC02770 TRANSLATE of: RXC02770.seq check: 2969 from: 1 to: 1566

MLVAALVMTSCGDGEPEPTSHQTSLFGYAVNSSLATTTNAASLLGVANDAGLLAARVYPGVYVQGPSGQM
IPNTDLASTQVLPGINRQVIYTTINEDATYSDGQPVVCCDFLLSATAGQMPQLFQSHVPLTSQIERVDCV
SGSKVATVVFKEIDLGERWRYLFEQGDLLPAHAVASKAGMTLEELNQALKDKDPEALTEPARVWSEGFQL
SQFDPQLQTAFGPYKVDSVGEFGEVKLVNEFYSGDQAVEAEITMWPKGSDLSAIADNGNLQIAHVVAW
ESEPWNRRDDPLNPYDIKEEVGVLTEQLTLASAGVFYAAEARQAFACVDQEAFAASSSISGIDVPAV
GVHSVRHQNPVVHQIGDLPAQHMAVDINAASALAGQSIRIGYDGPDERKAAMVEAIRQSCEPAGITVID
ASQEAVALNDLSRTEVSEWGYEQYFEGTLDVLRTPHREYENANTIGTDAESTRRTEEQLWAEVPSI
PLAAQPRVFVIDRTVGNVVVNTDLAGIGWNMDRWSRSEE

>RXC02789 TRANSLATE of: RXC02789.seq check: 8247 from: 1 to: 546
MKVSADTPGHDDPGPGRRLGLDVGTVRIGVAASDRDAKLAMPVETVPRETGFKGPDLDIDRLVAIVEE
YNAVEVIVGLPTDLQNGSASVKHAKIEAFRRRLTNAGKNIPVRLGDERLTTVVATQALRASGVSEK
AGRKVIDQAAAVEILQTLWDARTRALEPQSTDTQDFDEKGNFPG

>RXC02921 TRANSLATE of: RXC02921.seq check: 4157 from: 1 to: 471
VSALEESIRIATIAAKAADEKKADDIAVIDVSDMIAITDCFVVASADNERQVGAIVEEIEDEMCKAGFE
PKRREGNRENRWLLDYGLVVIHVQRQAEREFGYGLDRLYRDCPLIEIEGLETFKRESSWSDEADIRNID
SIDELPPLPAEYEPGYEDD

>RXC03185 TRANSLATE of: RXC03185.seq check: 4886 from: 1 to: 189
MNDLAAEGENDPYRMVQQLRRKLSRFVEQKWKRPVIMPTVIPMTAETHIGDDEVSRASRESL